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GROUP METHOD STATEMENT
INSTALLATION OF BORED PILES
Viadux Phase 2, Albion Street, Manchester, M1 5LN

Acceptance by Group					
Submittal History	Date:	Prepared by:	Author Signature	Approved by:	Description of modifications:
Rev01	16.09.25	J. Melton	[redacted]	A.Turner	Comment & Approval

Comments:

Contract No:	M24772
Main Contractor:	Domis
Site Address:	Albion Street, Manchester, M1 5LN
Project Manager:	Stuart Loftus
Mobile No:	07980 851658
Normal Working Hours:	0800 – 1800 Monday to Friday 0800 – 1300 Saturday

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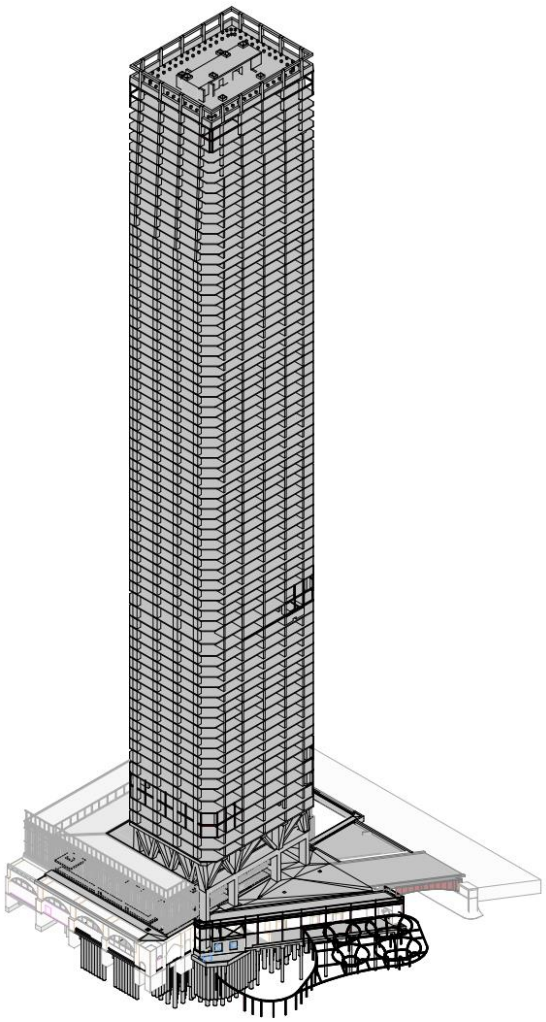
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INSTALLATION OF BORED PILES

Contract No:	M24772
Sub Contractor:	Martello Piling
Contracts Manager:	Jason Melton
Mobile No:	07741 247557
Normal Working Hours:	0800 – 1800 Monday to Friday 0800 – 1300 Saturday
Pile Type:	Bearing Piles
Pile Diameter:	1050mm, 600mm & 750mm
Contract Start Date	August 2026
Contract Duration	2no Visits and in 23 working weeks

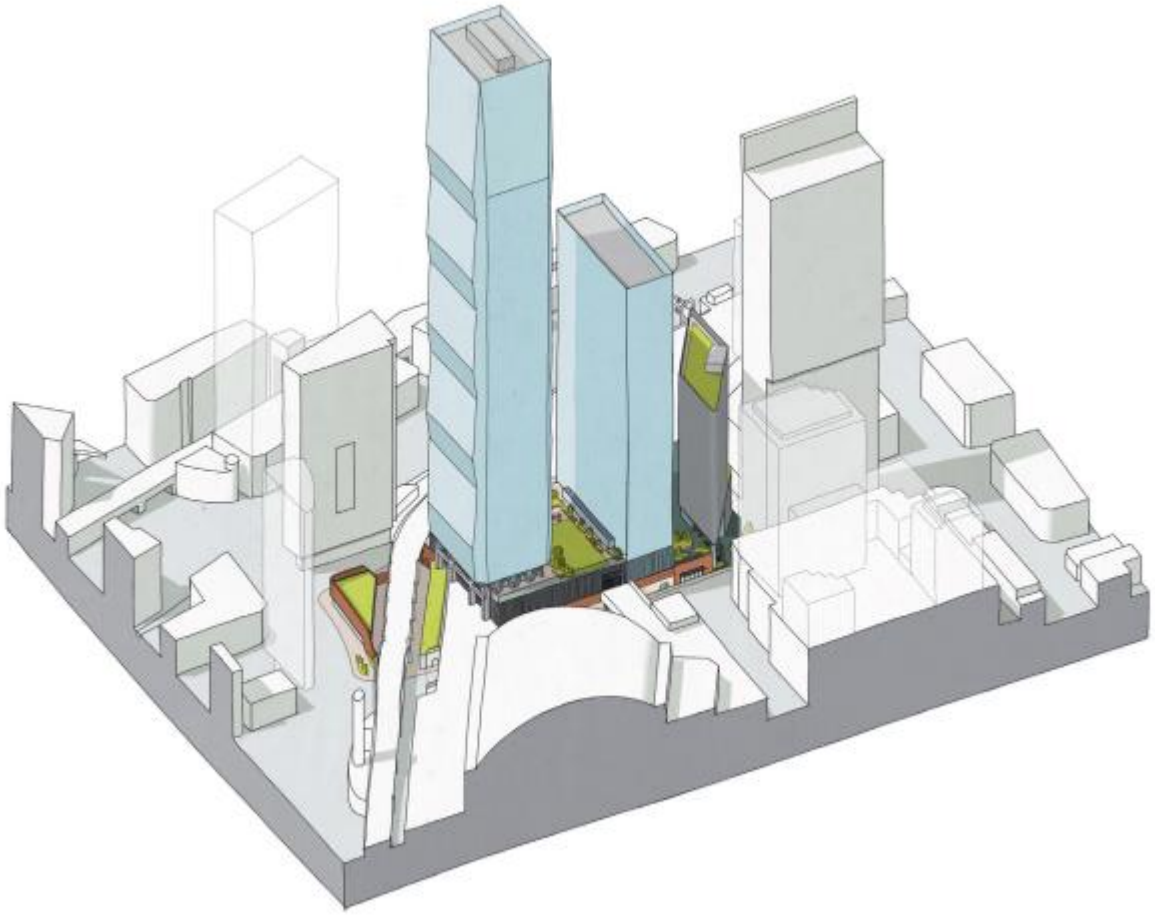
A1 Introduction & Overview

A1.1 Introduction



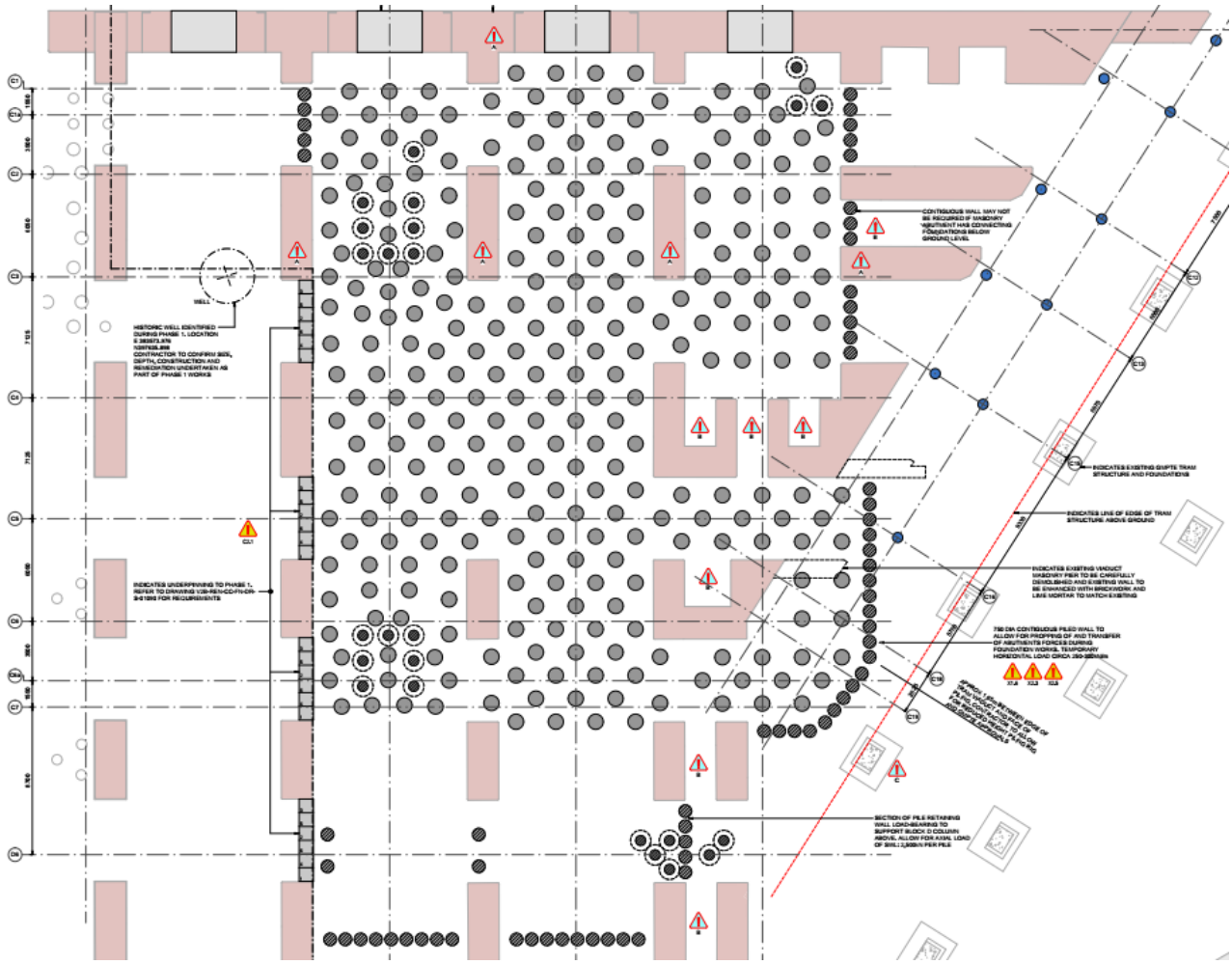
The overall Viadux development in Manchester comprises the construction of a 39-storey residential tower, 76 storey residential tower, connecting podium structure, and conversion of the 1870's Grade II listed masonry Viaduct. The tower and podium are to be constructed over the existing viaduct. The works are also to include partial removal of the existing cast-iron bridge to "daylight" Great Bridgewater Street.

Plot 2a is located immediately east of the recently completed Phase 1 building, on land currently comprising the grade II listed Castlefield Viaduct. This plot will deliver a 76-storey mixed use tower comprising a hotel and residential units above.



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Figure 01 Proposed Pile Layout Location.



The purpose of this method statement is to define the scope of works, method of working and procedures to be implemented by Martello Piling for the piling works at Viadux Phase 2.
All operatives and supervisors will be briefed on this method statement for the works elements.
This method statement will identify the hazards associated with the works and the subsequent control measures therefore ensuring that the works are carried out in a manner that reduces the risk to operatives, public, adjacent work forces, and third-party assets.

All operations are to be reviewed during the construction process by an appropriate person (Martello Site Supervisor, Martello Operations Manager, Martello SHE Manager) to ensure that the works are being carried out in a safe manner.

All operatives will sign the briefing sheet to acknowledge they have understood the scope of the works included and will adhere to the safe systems of works in place, moreover, they will be given the opportunity to ask questions prior the start of the shift.

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A1.2 Ground Conditions

The ground conditions at Viadux can be summarised as below with the PPL at 35.3mOD.

1. ***MADE GROUND:*** 35.3-35 (m OD)

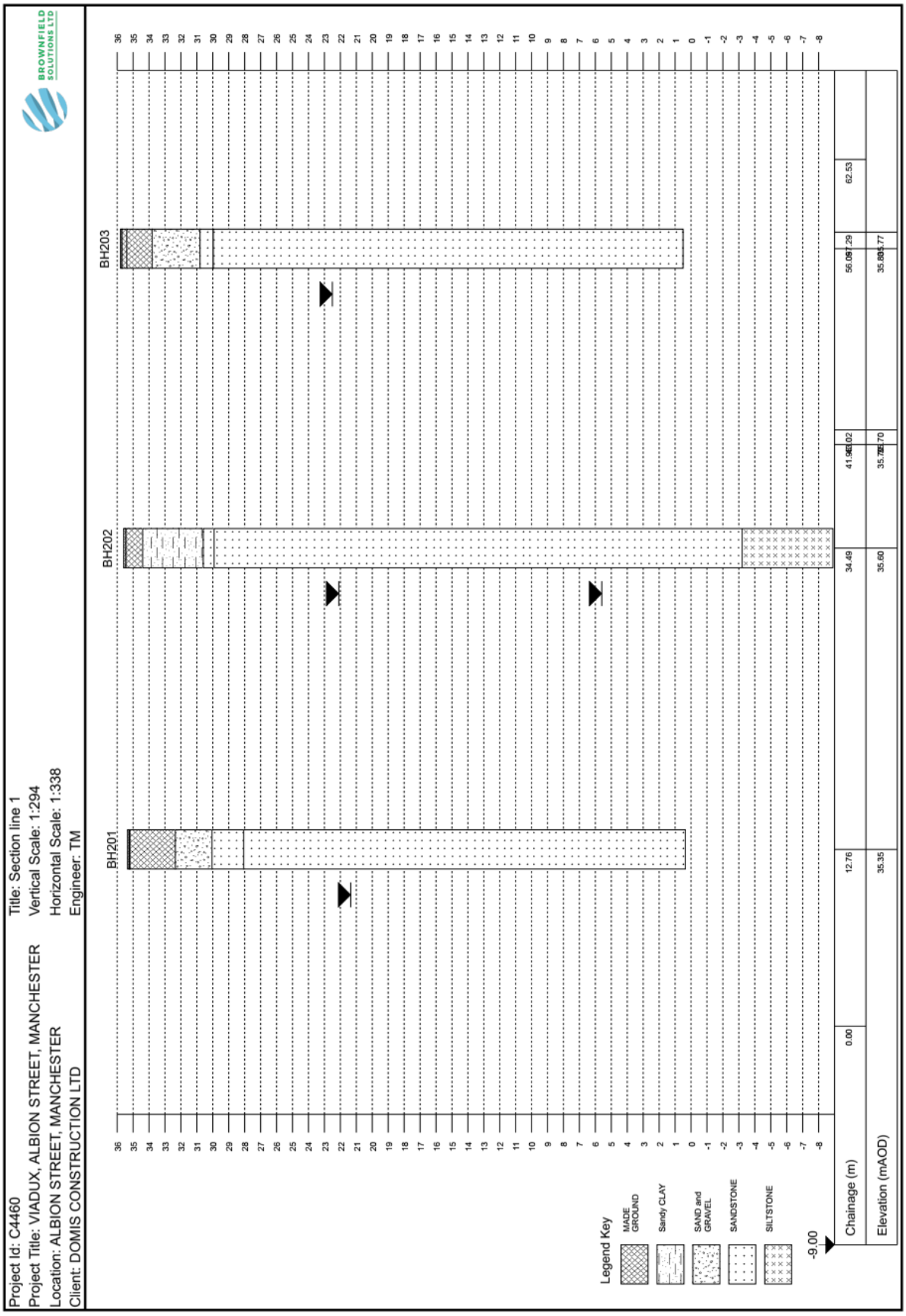
This is made up of grey brown gravelly fine to coarse sand. Gravel is angular to subrounded finne to coarse of brick and concrete. Between

2. ***BROWN SAND AND GRAVEL***: 35.0 – 30.0 (m OD)
3. ***EXTREMELY WEAK RED BROWN FINE TO MEDIUM SANDSTONE DESTRUCTURED***: 30.0 – 27.0 (m OD)
4. ***VERY WEAK RED BROWN FINE TO MEDIUM SANDSTONE PARTIALLY WEATHERED***: 27.0 – 0.50 (m OD)

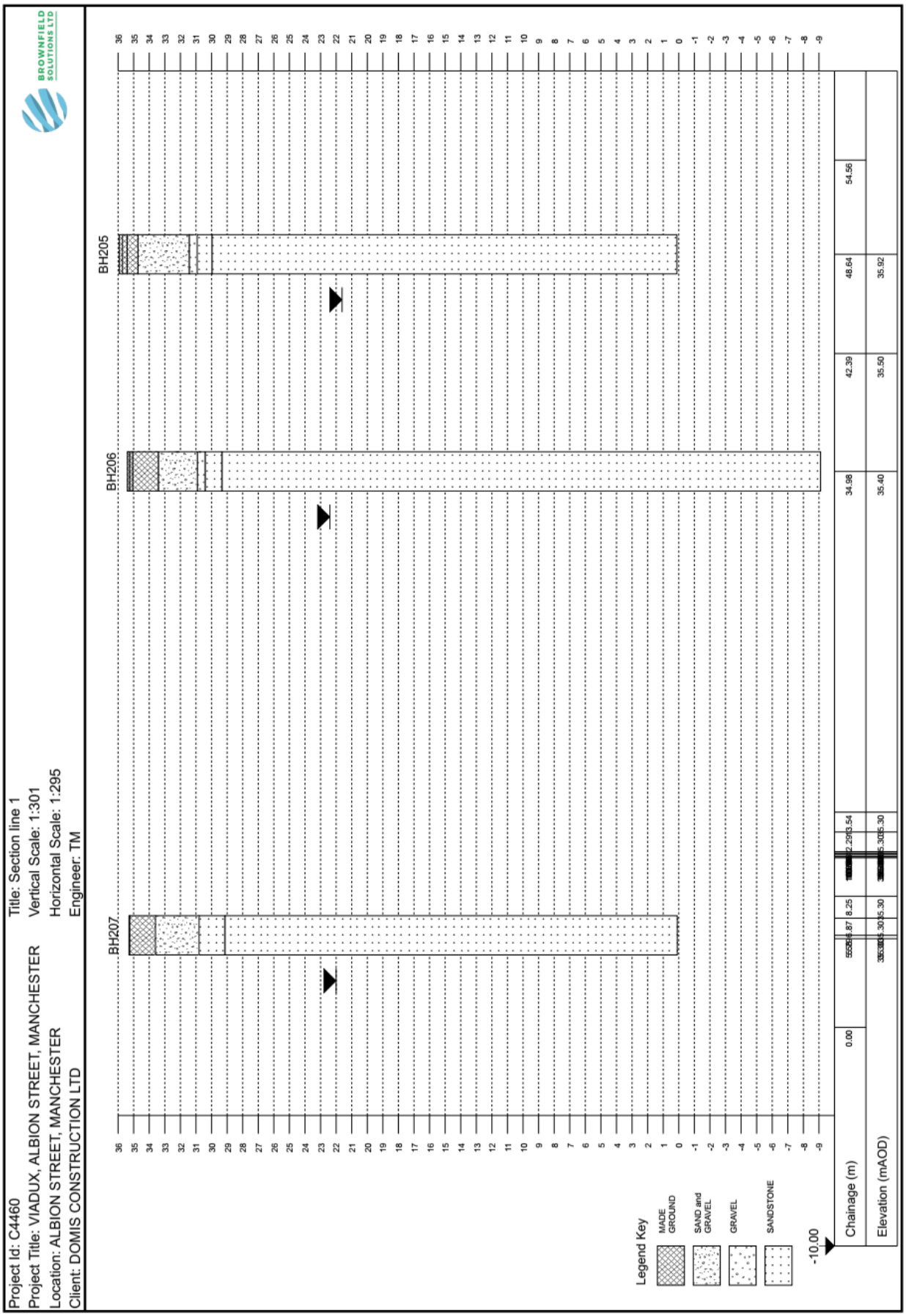
WATERSTRIKES WHERE ENCOUNTERED AT APPROXIMATLY 10 – 11m BELOW PLATFORM LEVEL.

Depth From	Depth To	Thickness, t (m)	Soil type	From Elevation (mOD)	To Elevation (mOD)
0.00	0.30	0.30	Made Ground	35.30	35.00
0.30	5.30	5.00	Sands	35.00	30.00
5.30	8.30	3.00	Sandstone 1	30.00	27.00
8.30	16.30	8.00	Sandstone 2	27.00	19.00
16.30	18.30	2.00	Sandstone 2	19.00	17.00

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A1.4 Scope of work:

- 1No MP4000 series rig working to construct:
  - 127 Number 1050mm Dia piles within 4-6m of headroom
  - 47 Number 600mm Dia Piles within 4.5-5m of headroom
  - 18 Number 750mm Dia piles within 3.4m of headroom
- 1No MP6000 series rig working to construct:
  - 5 Number 1050mm Dia piles in Blue Sky
  - 25 Number 750mm Dia piles in Blue Sky
  - 17 Number 600mm Dia piles in Blue Sky

This Method Statement must be read in conjunction with the following documents:

Document	Document Number
Mobilisation of Plant and Equipment	M24772_TB01_Mabilisation of Plant & Equipment_Rev01
Rig guarding and Exclusion Zones	M24772_TB02_Rig Guarding & Exclusion Zones_Rev01
Installation of Casing and Boring to Depth	M24772_TB03_Installation of Temp Casing & Boring to Depth_ Rev01
Installation of Reinforcement	M24772_TB04_Installation of Reinforcement_Rev01
Concreting	M24772_TB05_Concreting_Rev01
Use of concrete Pump	M24772_TB06 – Use of Concrete Pump_Rev01
Temporary Casing Extraction	M24772_TB07_Temporary Casing extraction_Rev01
Storing & Stacking of Casing & Cages	M24772_TB08_ Storing & St6acking of Casing & Cages_Rev01
Welding	M24772_TB09_Welding_Rev01
COSHH assessment	M24772_Viadux Phase 2_MS_Rev01
Risk Assesment	M24772_Viadux Phase 2_MS_Rev01

All operatives and supervisors will be briefed on this method statement and the subsequent task briefings for the individual works elements.

A1.4 References

- V2B – REN – CC – FN – DR – S – 01080 – P02
- 10587 Geo-Environmental Assessment Report December 2021
- Detailed Construction Logistics Plan
- ICE Specification for Piling and Embedded Retaining Walls 3rd Edition
- Inspections of work equipment – the Provision and Use of Work Equipment Regs 1998
- Inspections of workplaces - Management of Health and Safety at Work Regulations 1999.
- The Construction (Design & Management) Regulations 2015.
- Inspections or lifting equipment and accessories, certificates of Thorough Examination Certificates, Lifting Plans – the Lifting Operations and Lifting Equipment Regs 1998

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A2 Methodology

A2.1 Planned sequence of tasks

Visit 1

- Establishment of 1 No. MP4000 series rotary rig and ancillary equipment to site and subsequent removal on completion.

- Installation of 127No. 1050mm nominal dia. restricted access rotary bored piles to an average depth of 18m.
- Installation of 47No. 600mm nominal dia. restricted access rotary bored piles to an average depth of 18m.
  Installation of 18No. 750mm nominal dia. restricted access rotary bored piles to an average depth of 12m.

Programme of Works:

- 23 weeks

Visit 2

- Establishment of 1No. MP6000 series rotary rig and ancillary equipment to site and subsequent removal on completion.

- Installation of 5No. 1050mm nominal dia. Blue Sky rotary bored piles to an average depth of 18m.
- Installation of 17No. 600mm nominal dia. Blue Sky rotary bored piles to an average depth of 15m.
- Installation of 25No. 750mm nominal dia. Blue Sky contig bored piles to an average depth of 15m.

Programme of Works:

- 4 weeks

General Note

Prior to any works commencing, the following will take place:

Martello Site Management (MPL) to attend daily co-ordination meetings.

Any required Permits to Work will be issued to the working party prior to commencement of operations. All requests for permits will be raised by Martello (MPL) to Domis. MPL will brief-out the contents & hold the permits until the completion of the task or the time span of the permit at what point the permit will be signed off and returned to Domis.

Access to the works area will be on foot, using designated walkways between the welfare facilities and the piling platform area. Walkways will be demarcated using pedestrian crowd control barrier.

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Prior to any works commencing, the following will take place:

- All staff to receive WPP/TBS briefing and sign to acknowledge that they have understood the briefings.
- MPL site supervisor to ensure correct PPE is being worn by all people present.
- Access site using authorised access points.
- **HOLD Point**: Working Platform Certificate (WPC). The Main Contractor will issue a temporary works design for the piling platform. A WPC for all piling platforms will be signed off by the Main Contractor and issued to Martello. The WPC ensures that the piling platform has been installed/checked in accordance with the design. The design will have been completed to ensure that the piling platform will safely bear the pressures exerted by the piling equipment without adversely affecting adjacent structures. The Main Contractor (or others as appointed by Domis) shall have carried out structural assessments of all adjacent structures, services etc. prior to piling commencement.
- The WPC will be in place prior to the rig tracking on to the platform. If required separate WPCs may be provided for different platforms e.g., if the piling platform is handed over in sections. In addition, the WPC will be re-issued if any excavation – other than installation of piles – is carried out. This will ensure that the re-instated platform conforms to the requirements of the platform design.
- **HOLD Point:** Permit to Dig to be issued - confirming all services have been located, protected or removed.
- All pile positions are to be probed, or clarity given on the permit to dig that area is clear of high-level obstructions and services prior to piling works beginning.
- All surface water drains must be located and capped/ de-commissioned by Domis prior to works commencement.
- **HOLD Point:** Lift Plan, with its associated Permit to Lift issued, with all LOLER Certification checked, including certificates for all lifting accessories.
- A primary exclusion zone around the Piling area utilising weighted barriers – pedestrian barriers with sandbags or water filled barriers or similar, including edge of Piling Platform by Domis – No Plant Zones, Will be in place prior to MPL mobilising to site.
- A secondary exclusion around the direct piling area utilising weighted barriers will be set up by MPL at each pile location.
- All deliveries to be booked in via Domis site management. Deliveries to be noted in daily co-ordination meetings.
- Deliveries once inside the boundary of the site will be banked by Martello (MPL) operatives.
- Morning briefings at 07:30 will be in the canteen will be carried out by the Supervisor advising the work force of the daily activities utilising daily coordination meeting minutes which will have also been attended by Martello (MPL) supervisor.

Restrictions

- All piling will be undertaken during normal working hours, Monday to Friday – 08:00 to 18:00.
- All deliveries once inside the boundary of the site will be banked by Martello operatives.
- A morning briefing will be carried out by the Site Supervisor advising the work force of the daily activities.
- A daily coordination meeting will also be attended by Martello supervisor.

A2.2 Detailed Methodology

Mobilisation

To be read in conjunction with: M24772_TB01_Mabilisation of Plant & Equipment_Rev01
M24772_TB07_Storing & Stacking of Casing & Cages_Rev01

The following equipment will be mobilised to the Albion Street, Manchester, M1 5LN

- 1no. Piling Rig (MP4000 Rig) and auxiliary equipment to site, week 1 of the piling contract.

All equipment will be offloaded/loaded with the use of the Telehandler or crawler crane from within the site compound adjacent to Albion street. All lifts will be covered in the lift plan.

Drivers that have not attended the project specific health and safety induction must remain with their vehicles unless escorted.

No deliveries are to be accepted prior to the Working Platform Certificate being signed off.

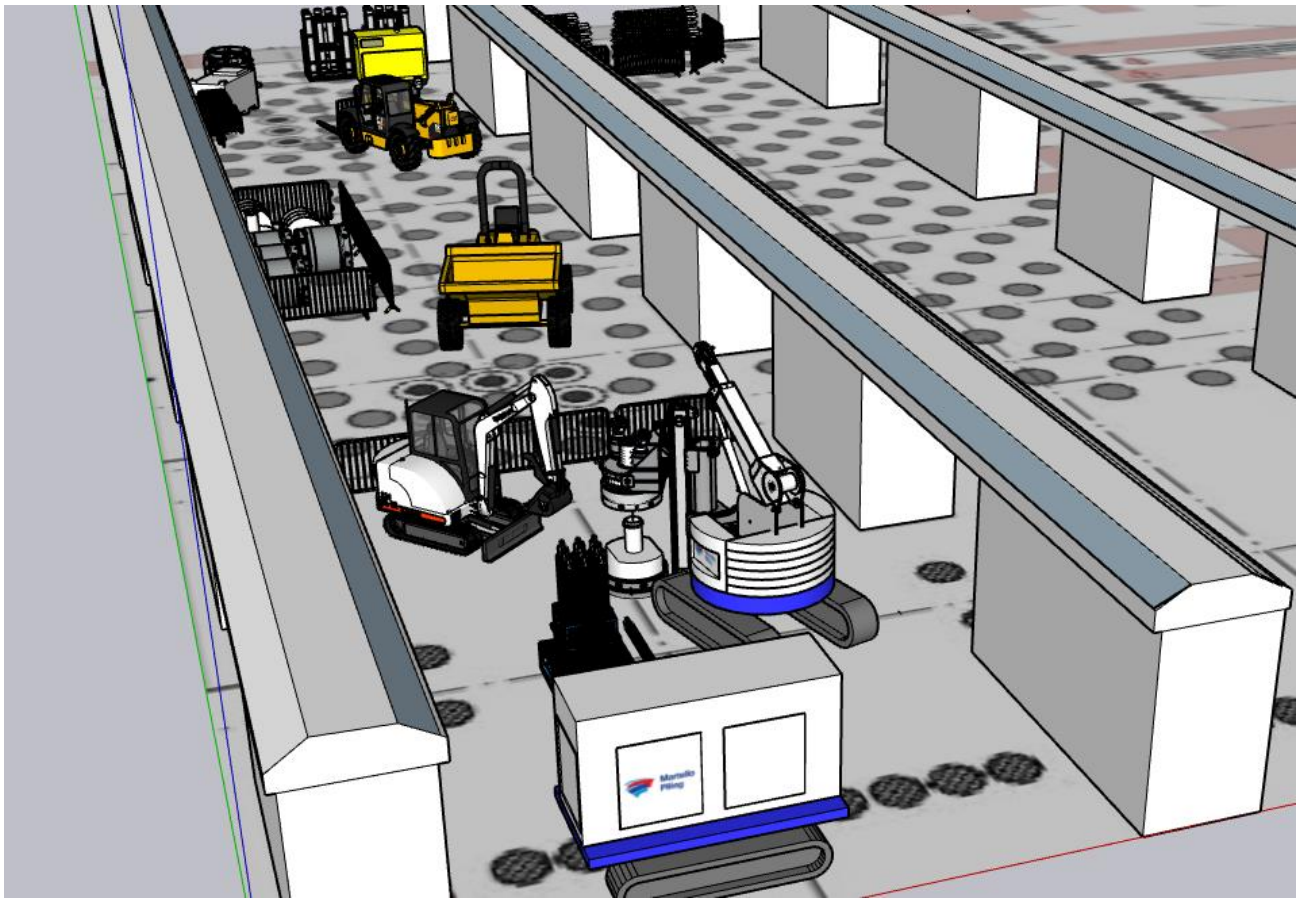
HOLD Point: Piling Rig, Telehandler & Crawler crane are subject to on-site inspection completed by Martello and issue the certs to Domis.

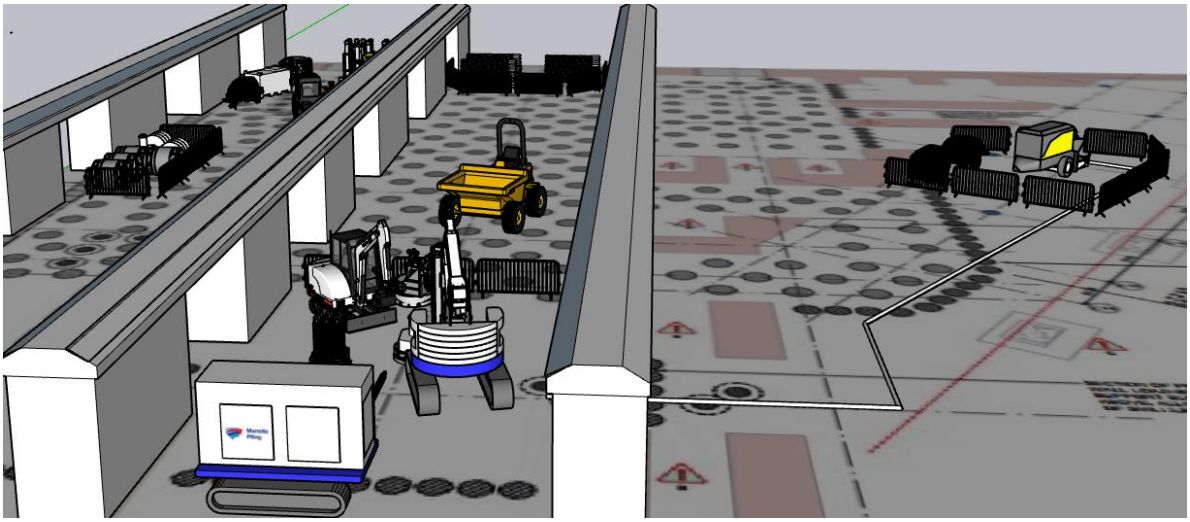
- The low loader delivering the MP4000/MP6000 series rig will be directed from the highway and onto site by a trained and competent vehicle banksman from Domis. Once within the site boundary a banksman from Martello will direct the wagon to its designated unloading point. When at the pre agreed area for unloading, the rig will be tracked off the wagon. The rig will be banked off the low loader and on to site within the arches at Ground Floor level. If required protective tracking boards will be used in order to stop the public street from any damage. The Piling rig will be banked at all times while on site by a trained and competent A74 banksman.
- Once in the designated area on the piling platform the piling rig will be rigged up.
  All lifting operations will be covered by separate lift plans supplied by MPL for the MP4000 series rig, crawler crane and Telehandler.

- 40ft/25ft wagons will arrive on site to deliver the auxiliary piling equipment inclusive of the reinforcement cages and stores cabins that will be off loaded by the Telehandler, HiAb or crawler crane and transported down into the designated laydown areas.
- **HOLD Point**: Should there be a requirement for operatives to access the back of the delivery lorry, then the back of the lorry will have provisions for either a bespoke handrail system or fitting of a fall restraint system with access steps allowing safe egress to the bed of the wagon.

- All deliveries will be booked in 48 hours in advance with Domis prior to arriving to site.

Typical example of the site set up at Viadux





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Site Access

All deliveries to site will enter Via Albion Street to the designated off-loading area.



Figure 01: Proposed delivery route.

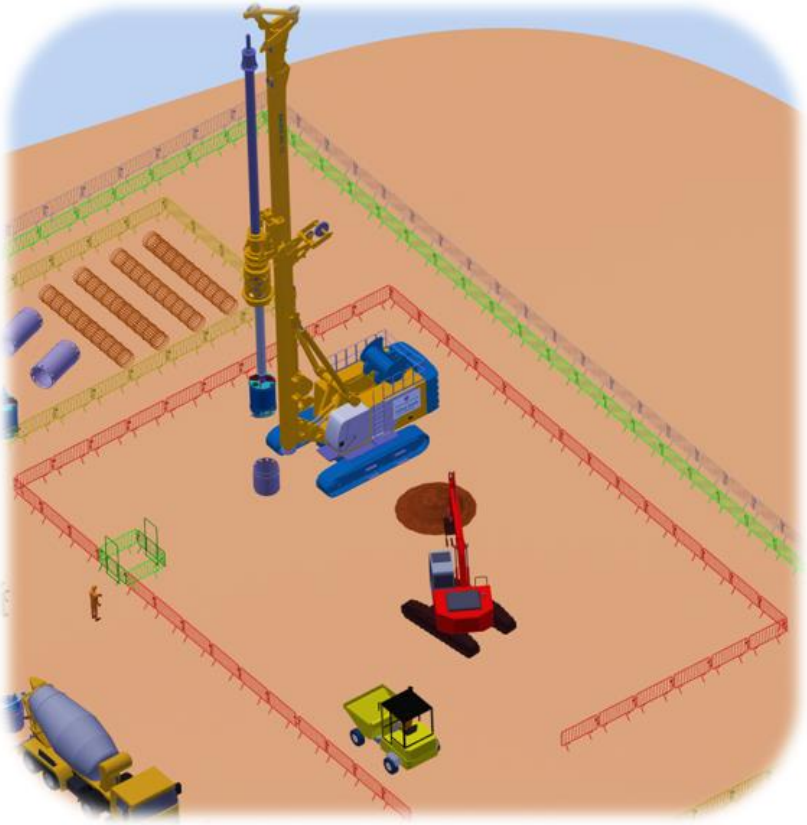
A2.1.1 Construction method for Bearing:

Casing Installation

To be read in conjunction with: M24772_TB02_Rig Guarding & Exclusion Zones_Rev01
M24772_TB03_Installation of Temp Casing & Boring to Depth_ Rev01

HOLD Point: Working platform certificate to be issued upon completion of plate bearing test and prior to works commencing.
HOLD Point: A Permit to Dig will be in place prior to any ground-breaking activity.
HOLD Point: A Lift Plan / Permit to Lift to be in place prior to any lifting activities.
HOLD Point: When setting up the MP4000 series rig in the arches the crane will be monitored and set to prevent any clashes with the masonry.

An exclusion zone of the piling mat (Primary Exclusion zone) will be in place with a secondary exclusion zone around the rig, no unauthorised personnel are to be on the piling mat. The banksman will be in charge of physically moving the barriers and ensuring no unauthorised persons are in this area. All Martello operatives are responsible for ensuring no unauthorised person enter the exclusion zones.



Typical example of exclusion zones showing primary (Green) and secondary (Red).

The pile positions will be marked out by the site engineer supplied by Domis. The position of the casing (Position in plan +/- 75mm at PPL) will be checked by the site engineer prior to any excavation below the casing toe.

HOLD Point: When working adjacent to the TfGM Tram Viaduct there will be an exclusion zone in place around the structure/base to restrict any access to this area from the rig and machinery. The MP6000 series rig will be set up with the mast section to be below the bridge deck by 2m at all times. The exclusion zones will be set up on site by Domis prior to the rig arriving.

The temporary casing being used will be heavy duty segmental casings. These casings will be installed using the piling rig. The casing will be attached to the rig via the casing drive, which is directly attached to the high torque rotary table. As the casing is rotated it will be pushed (crowded) into the ground by the rig using the hydraulic crowd system which is attached to the rig mast.

During the casing installation periodic checks will be made on the casing position by the rig's driver, competent rig attendant, and the site surveyor. The verticality will be maintained by the rig attendant who will check the verticality using a spirit level.

The casing protruding from the ground will be kept at 900mm where possible to act as a physical barrier and bore protection. From time to time, it might become necessary to briefly reduce the projection of the casing above the ground from the 900mm protruding, for example when casing joints are being made or whilst working in low headroom. At such times the rig attendant will exclude unauthorised entry into the immediate adjacent working zone by means of a barrier. When the bore is left unattended a steel cover will be placed on top of the casing.

If required a C shaped physical barrier will be provided around the protruding casing to prevent personnel falling into the bore if the casing is left for a prolonged period of time at a protruding level below 900mm.

During piling works the attendant telehandler will be used to lift/move items of plant or equipment. Lifts will be limited to the SWL of the machine and a lift plan will be in place for all lifting operations.

Rotary Pile Boring

To be read in conjunction with: M24772_TB03_Installation of Temp Casing & Boring to Depth_ Rev01

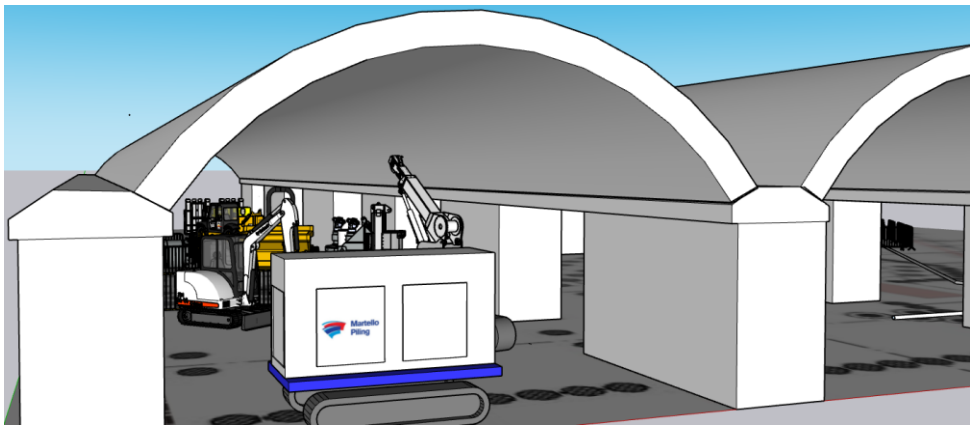
All boring will be carried out open bore below the casing utilising a low vibration technique of rotary bored. In general, standard augers will be used to excavate the material, although digging buckets will be used to excavate any wet, non-cohesive material. The attendant excavator will be clearing the spoil from around the bore. The spoil stockpile will be kept as close to the access point for the muck away vehicles as is practical.

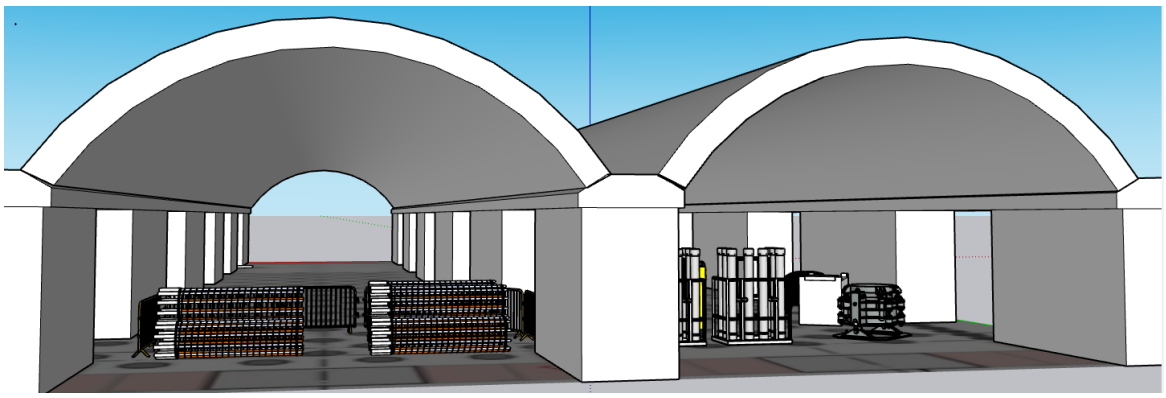
- The anticipated volume of spoil generated form the piling activities is: Pre-Bulked 3400M3. This will be removed from site by Domis to a licenced tip. This process will be covered by a separate RAMs by Domis.

Typical example of construction of the piles Viadux

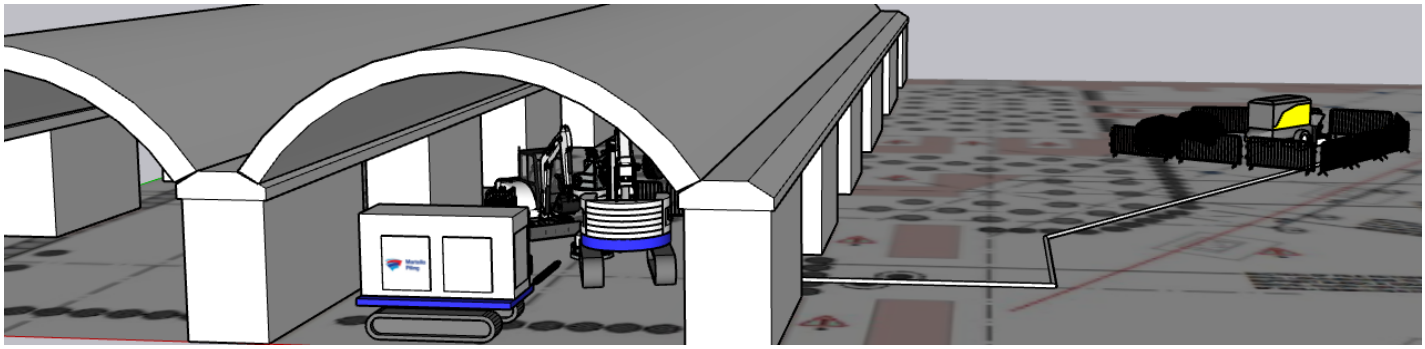












If dust is generated water suppression will be used to minimise it.
On completion of the pile boring operation, the depth of the pile will be measured accurately in three locations around the bore using a weighted tape and recorded on the Daily piling sheet which will be issued to Domis daily. The base of all piles will be cleaned using a clean bladed cleaning bucket that has a bypass, the bucket must be maintained and be in good working order, the cleaning bucket will take out a minimum of 200mm from the base of the pile and then be reversed to polish the toe of the pile this will also close the door of the cleaning bucket. The pile will then be measured in three locations to assess the base of the pile to how flat it is.

Before the Kelly bars are removed from the pile a base assessment will be completed. This test will be performed using a weighted tape with a 100mm x 100mm of 20mm thick steel plate weighing approximately 1Kg which shall hang horizontally from the tape.
The base shall be deemed suitable for cage placement if it is Grade 1 to 3 hardness at the chosen locations along the pile base in accordance with the Table C3.1

Table C3.1: Base hardness assessment criteria

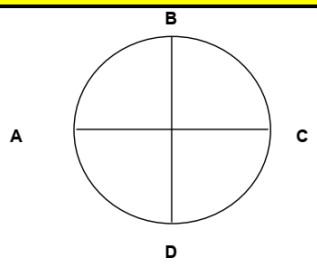
	Grade	Description
Acceptable	1	Hard, sudden impact
	2	Sudden impact felt but some damping (<25 mm) of impact vibrations
	3	Distinct base detected with slight embedding (<50 mm) of weight into soil
Unacceptable	4	Significant embedding of weight (<100 mm) detected, making definitive base difficult to detect
	5	Weight sinks slowly into base, making definitive base very difficult to detect

The results of the test will be recorded on the Base assessment check sheet (FIG 02) and issued as part of the piling documentation to Domis.

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Project Name:			
Project No.			
Pile No.		**Date:**	

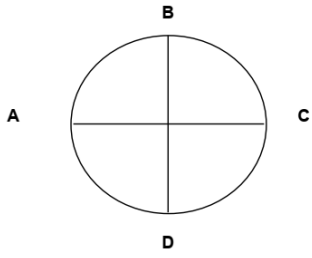
Base cleanliness check after pile bored to designed depth and Base Hardness Test 01 (ITP Item No. 2.4)



Position	Grade	OK or NOT (tick)
A		
B		
C		
D		

Legend:		
Grade	**Base Quality**	**Observation by Person doing the test**
1	Hard	Sharp impact
2	Firm	Sudden impact felt but some damping of impact vibrations
3	OK	Distinct base detected wlth slight embedding of weight into soil
4	Soft	Significant embedding of weight detected making definitive base difficult to detect
5	Very Soft	Weight sinks slowly into soil making definitive base very difficult to detect

Base cleanliness check after pile bored to designed depth and Base Hardness Test 02 (ITP Item No. 2.4)



Position	Grade	OK or NOT (tick)
A		
B		
C		
D		

Legend:		
Grade	**Base Quality**	**Observation by Person doing the test**
1	Hard	Sharp impact
2	Firm	Sudden impact felt but some damping of impact vibrations
3	OK	Distinct base detected wlth slight embedding of weight into soil
4	Soft	Significant embedding of weight detected making definitive base difficult to detect
5	Very Soft	Weight sinks slowly into soil making definitive base very difficult to detect

Approved by

	Name	Role	Signature	Date	Comment
MPL					
DOMIS					
Other, describe (if applicable)					

Figure 02: Pile Base assessment check sheet.

➢ **Obstructions encountered**

If during the pile construction an obstruction is found the following process will be followed:

1. The obstruction will be surveyed and recorded.
2. An RFI (request for information) will be submitted to Domis by Martello.
3. Domis will advise Martello of the obstruction and instruct Martello accordingly.
4. Domis and Martello will then work with the designers to update the design – to determine whether pile spec or pile position can change, or whether the obstruction is to be overcome by coring.

Steel Reinforcement Installation for Bearing piles.

To be read in conjunction with: M24772_TB04_Installation of Reinforcement_Rev01

Steel reinforcement will be manufactured off site by a specialist contractor. The reinforcement will be pre-manufactured under carefully controlled, CARES approved, factory conditions and transported to site on 25' or 40' flat wagons for re-assembly over the pile bore.
The sections will be delivered pre-slung with nylon strops (with lifting certs) to allow the crane/HiAb to of load or individually to allow the Telehandler to unload. The sections will be lifted from the delivery wagon, transported by the telehandler to the arches and placed in the designated cage storage area with timbers placed under the cages.

Lifting points on the cage sections will have been prefabricated prior to delivery. These lifting points will be marked with paint. The weight of the section and the lifting points will be provided on the supplier's drawing – a drawing will be supplied and approved for each section type prior to delivery. The attendant telehandler/crawler crane will be used to lift each section from the cage laydown area to the pile in question to be constructed. When lifting cage sections, the use of either shackles and strops of suitable capacity, attached at the lifting points, or using 2 leg chain brothers, again attached at the lifting point will be used and attached to the appropriate lifting points.

The MP4000 series piling rig or attendant crane will then lift the section of cage from the horizontal position to the vertical position. Section connections will be carried out within the pile bore. The lower section will be lowered into the pile bore and trapped on the top of the casing using several heavy-duty box sections (Fig03) or cage trappers attached to the casing. The upper section will be lowered over the lower section until the specified joint is provided. The sections will then be connected Couplers (Fig05).

The joined sections will then be lifted by the MP4000 series piling rig/crawler crane, the trapping/box sections removed, and the sections lowered into the bore. The connection process will be repeated for each additional section until the full reinforcement section is assembled within the bore.

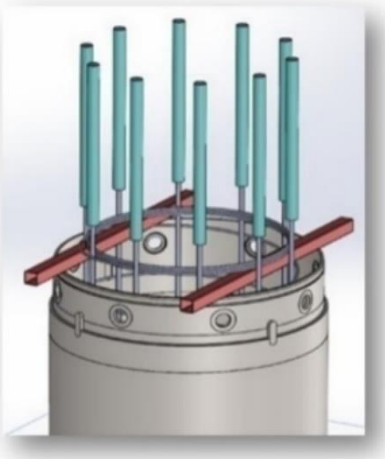
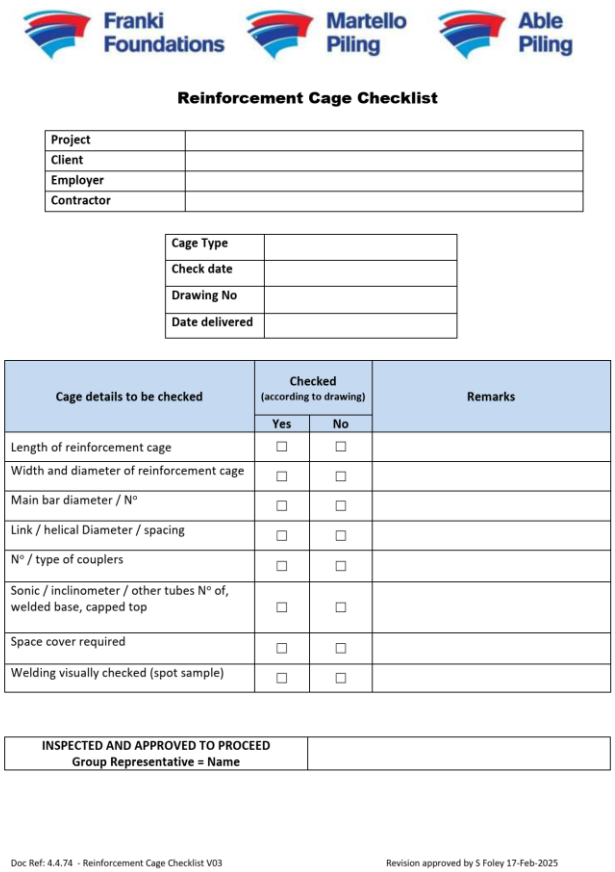


Figure 3: Cage trapping Box Sections.

Cage types will be clearly marked on the piling schedule and will be checked and signed off utilising the Reinforcement Cage Check (FIG 04) sheet prior too installing within the pile bore.



Reinforcement Cage Checklist

Project	
Client	
Employer	
Contractor	

Cage Type	
Check date	
Drawing No	
Date delivered	

Cage details to be checked	Checked (according to drawing)		Remarks
	Yes	No	
Length of reinforcement cage	☐	☐	
Width and diameter of reinforcement cage	☐	☐	
Main bar diameter / N°	☐	☐	
Link / helical Diameter / spacing	☐	☐	
N° / type of couplers	☐	☐	
Sonic / inclinometer / other tubes N° of, welded base, capped top	☐	☐	
Space cover required	☐	☐	
Welding visually checked (spot sample)	☐	☐	

INSPECTED AND APPROVED TO PROCEED Group Representative = Name	

Doc Ref: 4.4.74 - Reinforcement Cage Checklist V03 Revision approved by S Foley 17-Feb-2025

Figure 4: Reinforcement Cage Check Sheet

Spacers fitted to these sections will be of a proprietary type constructed from plastic-coated, deformed wire to provide cover.

The final position of the reinforcement cage will be under instruction from Martello Piling and the site surveyor and will be inline with the piling schedule. The cage is designed to sit on the base of the bore however if the pile bore has been over dug adjustable cage feet or hanging chains with blocks will be used to set the cage to the correct level until concreting.

The reinforcement tolerance applicable are: +150mm/-50mm level.

Figure 05: Lenton Coupler



Concreting

To be read in conjunction with: M22993_TB05_Concreting_Rev01
M24772_TB06 – Use of Concrete Pump_Rev01
M24772_TB07_Temporary Casing extraction_Rev01

All concrete used within the pile construction will be supplied from an approved supplier, accredited (e.g. BSI, QSRMC) as a supplier of ready mixed concrete to BS:EN 206 & BS 8500. Concrete will be discharge from the wagons directly into a concrete pump for all basement level works.

During the concreting operation long sleeves must be worn and gloves.

The Supervisor will order the concrete on the previous evening and confirm the morning of installation. Concrete will be delivered in either 6m^3 or 8m^3 concrete trucks. When the truck enters site, the concrete ticket will be checked to ensure that the correct mix has been delivered. A workability test (slump/flow test) will be carried out as per the project specifications with concrete grades.
The concrete grades for Viadux is:

- Pile concrete – C50/60 – DC2 – F5 Flow

Below are the range limits for flow denoting when the test is carried out.

Flow range limits

Specified flow class	Requirement			
	For composite samples taken in accordance with BS EN 12350-1		For spot samples taken from initial discharge	
	Not less than	Not more than	Not less than	Not more than
F1	200	370	200	380
F2	330	440	320	450
F3	400	510	390	520
F4	470	580	460	590
F5	540	650	530	660
F6	610	—	600	—

If the concrete Flows/Slumps outside of this range the Operations/Contracts manager from Martello and Domis will be informed. A decision will be made between both parties as to what process is then to be taken.
While on site should the truck be required to reverse a vehicle banksman will be in attendance at all times.
A sample will be taken from the middle of the concrete load during placement to make test cubes. With the concrete mix design the frequency for taking concrete test cubes shall be 1 x set of 4No cubes per 76m3 poured. Cubes will be made and taken by an external company to be stored and tested in a controlled laboratory condition. The cube crushing regime is: 7, 28, 28, Days with one cube being spare should the 28-day strength not be met. It will then be crushed on 56 days. The testing house will be UCAS Accredited.

A concrete Discharge/Tremie tube will be used for all piles.

For dry piles (ICE SPERW 3rd Edition B3.5.2.3):

The concrete will not be dropped more than 10.0m through reinforcement, as per ICE SPERW 3rd Edition (B3.5.2.3). This will be assembled from a length of lay flat hose.
The assembled concreting discharge tube will be inserted into the pile bore using the MP4004 rig.

For wet piles (ICE SPERW 3rd Edition B3.5.2.4):

Concrete tremie pipes will be installed to the toe of pile and will be used for all wet piles. This will be assembled from the designated racking, joined using the designated wire fed into the joint. The assembled tremie pipe shall then be inserted into the pile bore using the MP4000 series rig/attendant crane.

The Concrete will be tremied from the toe of the piles with the concrete being introduced from the tremie hopper at the top of casing, the tremies will be embedded in the concrete at least 3m and will be split when the concrete flow reduces, To start concreting, the tremie pipe should be lowered to the bottom of the excavation and then raised a short distance (no greater than the diameter of the tremie pipe) to initiate the concrete flow and allow the plug to exit from the base of the tremie. ICE SPERW states that a sliding plug of vermiculate should have a length of two times the tremie diameter and that the tremie should not be lifted more than 0.2 m [8 in] from the base.

"Where concrete is to be placed under a fluid, a highly workable mix design should be selected and a tremie pipe must be used. During the pour, excessive depths of tremie penetration into the concrete can cause the concrete to stop flowing, leading to poor quality work. Equally, it is necessary to ensure that the tube remains embedded in the concrete throughout the pour to prevent segregation and avoid contamination.
Successful placing of concrete under a fluid therefore requires careful control and monitoring of the concrete and tremie levels, at each stage of the operation.
Where a tremie pipe is to be used it is important that the reinforcement is detailed to allow sufficient space for a tremie tube to be inserted and operated. BS EN 1536 gives recommendations regarding tremie dimensions.
A 'U' shaped foot can be fitted to the base of the tremie pipe to maintain the toe of the tremie a maximum of 200 mm from the pile base.
During concreting, the tremie pipes must remain immersed in the fresh concrete. Excessive embedment of the tremie pipes in the concrete (greater than 8 to 10 m) is considered to be poor practice and can cause the concrete to stop flowing or may cause the reinforcement cage to rise. It is recommended that the minimum embedment below the surface of the concrete should be 3 m, but this can be reduced to 2 m when the level of the concrete is accurately known. The immersion depth may have to be reduced when the concrete approaches ground level to facilitate the necessary flow; however, repeated raising and lowering of the tremie, also known as surging, is not considered to be good practice and should be avoided"

All water that is displaced from the tremie operation will be pumped back to settlement tanks and disposed of by Domis under the environmental discharge licence/agreement.

To complete the tremie operation the concrete will be flushed over the top of the casing until clean concrete is found with no contamination (a pump will be used to contain and direct the water displaced by the concrete and sent back to the wet silos supplied by others). The depth of the concrete, tremie length and volume of concrete will be recorded.

Concrete										
Delivery Ticket N°	Batch Time	Load N°	Discharge Time		Volume (m^3)		Slump Flow (mm)	N° of Cubes	Tremie length (m)	
			Start	Finish	Load in	Total			T1	Concrete Level

The volume of concrete used to fill the bores will be monitored. After the discharge of each concrete wagon the depth to the concrete level will be measured and compared against the expected volume. If loss of concrete is observed concreting works are to cease immediately.

Upon completion of concreting the concrete delivery tube will be completely removed and stored in the rack where it will be washed. Concrete trucks will be washed off in a designated area.
All washing off will be undertaken in a designated area and washing will be done to ensure that spray is minimised.

Concrete Pump

A concrete pump will be used to construct all piles in Phase 4. The pump will be situated adjacent to the site entrance.
A clear line of sight must be kept between the concrete pump operator and the site operatives located at the pile head. If this is not achievable then two-way radios must be used. Constant communication between both parties must be adhered to.

During the concrete operation if a blockage occurs in the concrete lines an assessment must be made by the competent person as to how long to work on clearing the blockage can continue before lines must be cleared and the tremie pipes/discharge tube removed from the pile to avoid concrete setting in the hoses and around the tremie pipes/discharge tube. This time will depend on several factors including temperature on site.
Before any pipes are split the pump shall be switched from pump to suck i.e., Reverse for approximately 5 strokes (depending on the type of pump used); this will release the pressure in the system. The pump shall then be switched to **STOP**. Only at this point and under instruction from the pump operator the lines can then be safely broken, and the blockage removed.

As there are several different makes and models of concrete pumps on the market it is the pump operators' responsibility to refer to the operator's manual for the model of concrete pump currently on site.

Upon completion of concreting the concrete delivery tube will be completely removed and stored in the rack where it will be washed. Concrete trucks will be washed off in a designated area.
All washing off will be undertaken in a designated area and washing will be done to ensure that spray is minimised.

Cleaning of the concrete pipelines using compressed air is a potentially hazardous operation and must only be carried out by competent personnel.
When cleaning pipelines, always: Use a wash out adapter and check the pressure relief valve is in good working order.
Disconnect the concrete pipe from the concrete pump.
Ensure that the end of the concrete hose is firmly restrained to the blow out chamber.
Ensure that there is a clear line of vision between the concrete crew and the air line operator.
Ensure that the discharge end is not pointing towards roads, railways, buildings, public areas etc.
Upon the direction of the competent person, the compressor operator will open the regulator and gradually apply pressure to the concrete line until it is clear.

Casing extraction

Casing will be extracted using either the piling rig or Casing extractor.

- If using the piling rig the casing will be attached to the casing spinner mounted on the drive table of the piling rig. The casing will then be screwed out using the piling rig until the next joint is available. The casing will be held in place while being split using a bespoke belly band. Each split section will then either be screwed into another pile location to allow the casing spinner to be removed from the casing safely and allow the casing to remain vertical or the casing spinner will be removed and the casing laid down and stored in the horizontal.

- If a casing extractor is used the extractor will be positioned over the casing and powered up using the supplied 35hp power pack. Each section removed will be lifted by the Piling Rig, laid down for the telehandler to move to the designated storage area to be cleaned and made ready for its next use. (All lifting will be in accordance with the approved lift plan).

During casing extraction, the concrete and cage level will be monitored with the concrete topped up where necessary to avoid the concrete level dropping below cut off level whilst monitoring the cage level within the bore making sure it stays within tolerance.

Protection barriers will be used to avoid damage the recently concreted pile.

Concrete Washout

Cleaning is generally carried out by use of a water hose or pressure washer. Care must be taken to ensure that washings do not enter drains, watercourses, or other sensitive receptors.
All concrete washout will be in a designated area supplied by the main contractor.

A2.2 Services

All services will be detected marked/moved prior to any piling works commencing by the client. If any services cannot be moved and are within the working platform area these will have a level of protection guarding them from any damage with safety procedures shared with the piling project team at the site induction. This includes all existing TfGM Tram Viaduct structure/base and will be marked up on drawings with exclusion zones in place prior to the piling rigs arriving to site. These are unlikely to be affected by the piling installation due to the bored technique adopted.

A2.3 Housekeeping

Housekeeping will be ongoing for the duration of the works, if required works will be stopped and the piling areas tidied prior to proceeding with the works.
All storage areas will be barriered off and kept tidy.

A2.4 Storage and Disposal of Hazardous Waste:

Hazardous waste shall be stored in a safe manner with bunding equipment where necessary. Oils are stored in the lockable site stores on a drip tray (or similar); grease and spray paints are stored in cabinets in the lockable site stores; diesel is stored in a double bunded lockable fuel bowser; Propane and Oxygen will be stored separately in lockable bottle cages; Petrol for the disc cutter shall be stored in the lockable site stores.

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A2.5 Welding - Plant/ Equipment Maintenance:

During the works there may be the requirement for maintenance to the rig and associated piling tools. A hot works permit must be sought from Domis prior to any hot works being undertaken.

The fitter/ welder will arrive to site in a transit van or similar and will be required to adhere to the Domis logistics and traffic management plan at all times. The fitter or welder will park his van in the vicinity of the plant/ tools or equipment to be maintained for easy access to any tools or equipment stored within his vehicle.

Where a welder is required to maintain piling tools and equipment, a welding area will be set-up with covered screens and adequate ventilation. Welding area will have signage erected prohibiting access of unauthorised personnel.

A2.7 Authorisation

The Contracts Engineer and the site supervisor will be primarily responsible for identifying any changes to the approved planned methodology. Any changes to the approved method must also be approved by Domis prior to implementation:

SIGNIFICANT changes such as alternative lifting proposals or changes to materials or temporary works that can have an effect on the integrity of the finished works or works in progress shall require the revision of, and full review of, the initial method statement.

The Contracts Manager responsible for the works where change is proposed shall be the first point of contact for all changes.

Contingencies

If there is insufficient time to complete the works during the shift, or should the works be stopped early for any reason then the site supervisor will make sure that the worksite is left in a safe state for other contractors to access the site, and that all tools are removed.

A3 Resources

Identification/Listing of Resource

Personnel

Number:	Operative:	Provided By:	Certifications:
1	Operations Manager	MPL	CSCS, CPCS, SMSTS
1	Site Supervisor	MPL	CSCS, CPCS, SSSTS, Frist Aid
1	Rig Operator	MPL	CSCS, CPCS
1	Telehandler Operators	MPL	CSCS, CPCS
1	Rig Banksman	MPL	CSCS, CPCS
1	Telehandler Banksman	MPL	CSCS, CPCS
1	Crane Banksman	MPL	
1	Chargehands	MPL	CSCS, CPCS
1	Piling Operative	MPL	CSCS, CPCS
1	Engineers	Main Contractor	CSCS, CPCS
1	Traffic Marshal	Main Contractor	CSCS, CPCS

A trained first aider will always be present on site.

A3.1 Key Plant / Equipment / Digging Tools:

Plant and equipment

Number	Item	Provided By
1	Piling Rig	MPL
1	Excavator	Main Contractor
1	Dumper	Main Contractor
2	Jet wash bowser	MPL
1	Fuel bowsers	MPL
1	35HP Power pack	MPL
1	Casing Extractor	MPL
TBC	Pile casings	MPL
TBC	Augers	MPL
TBC	Cleaning Buckets	MPL
TBC	Core Barrels	MPL
1	Telehandler	MPL
1	Sthil Saw	MPL
1	Concrete Pump	MPL
1	Crawler Crane	MPL

Materials

Item	Specific Requirement
Concrete	C50/60 DC2 F5
Steel	Prefabricated Piling cages B500B
Diesel	As required

A4 Permits

Safe System of Work / Procedure	Safety Documents / Permit	Issued By	Additional Information
Excavations	Permit to Dig	Domis	
Lifting Operations	Lift Plan	Appointed Person / Crane Coordinator	Each specific item of plant must have its own lift plan
Cutting of Steel	Hot Works Permit	Domis	
Permit to load	Platform Certificate	Domis	

A5 Quality

Quality controls will be as detailed in the ITP.

A6 Sustainability

- All pollution or environmental incidents are to be reported immediately.
- Re-used or recycled materials will be used wherever possible.
- Packaging is to be reduced as much as possible.
- Water use is to be managed efficiently.
- Adequate storage areas will be allocated to avoid damage to materials.
- Refer to the sustainability statement (Appendix F).

A7 Protective Personal Equipment



Black: Supervisor



Orange: Slinger/Signaller



White: Site Manager
Competent Operative
Vehicle Marshall (distinguished by the wearing of a different coloured high visibility vest)



Blue: All those coming to site who do not fall into any of the above categories

Helmet Stickers	Role
Green first aider sticker	First Aider
Red fire marshal sticker	Fire Marshal

PPE will include safety footwear with mid sole protection, hard-hat, gloves, grade 1 impact resistant Glasses and orange high visibility trousers. Where welding is to take place, the appropriate PPE will be worn including Pro-ban suit (or similar), welding gauntlets and appropriate eye protection for the task.

A8 COSHH items encountered:

	CODE		CODE
Hydraulic Oil	869	Diesel	257
Generic grease	867	Mould oil	862
Oxygen	1149	Propane	71597
Portland cement	153	Ready mixed concrete	1248
Prima pump	42187	Engine oil	863
Spray paint	3664		

B2 Communication and contact details

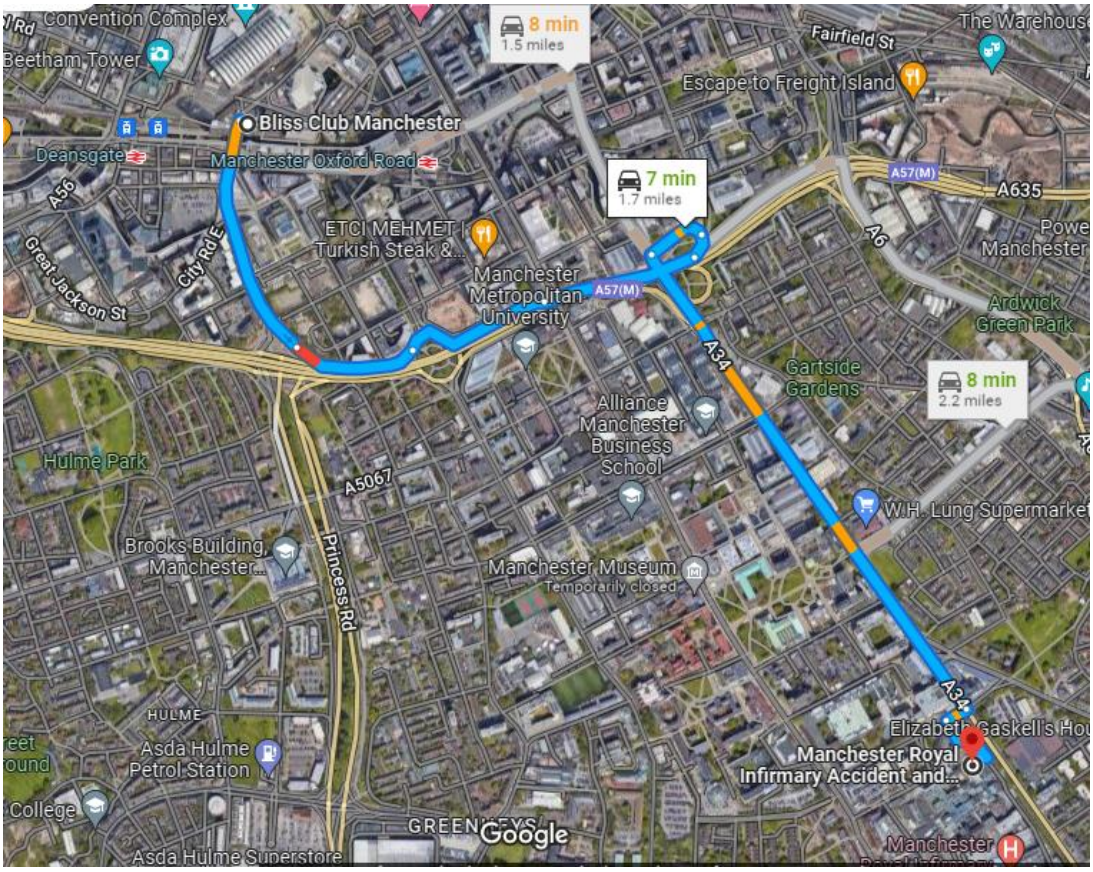
General site communication will be verbal or by mobile phone, no personal calls will be permitted

Position	Responsibilities	Contact	Contact Details
Group Managing Director	Director of Health & Safety at Franki Foundations UK Group to implement, co-ordinate and control the administration of Health and Safety matters within the company	Craig Macklin	01322 479000 craig.macklin@frankifoundations.co.uk
Group Contracts Director	To Direct all contracts Pre site mobilization and ensure that any new developments are communicated both quickly and effectively to all company staff.	Chris Beynon	07776 428335 Chris.beynon@martellopiling.com
Group Operations Director Group Health & Safety Director & Appointed Person	To Direct all contracts during site mobilization and ensure that any new developments are communicated both quickly and effectively to all company staff. To monitor, control and correct the H&S actions of all employees and others under his jurisdiction to ensure H&S is prioritized and that the company's H&S Policy is fully understood/ implemented. To investigate accidents, incidents and near misses, Responsible for environmental management, HSQE. To ensure lift plans are written in conjunction to the specific task/site and all lifting operations are within the capacity of the lifting equipment.	Alan Turner	01322 479000 07917 186 160 alan.turner@martellopiling.com
Operations Manger & Appointed Person	To liaise with client ensuring site is prepared for the establishment of piling machinery. Make sure all staff are informed of any special circumstances and they follow Group Health & Safety standards	Rob Turner	07747 240104 Rob.turner@martellopiling.com
Contracts Manager & Appointed Person	To manage all contracts and ensure that any new developments are communicated both quickly and effectively to all company staff. To liaise with the client during and prior to the start of the contract to ensure H&S along with production is being met. To ensure lift plans are written in conjunction to the specific task/site and all lifting operations are within the capacity of the lifting equipment.	Jason Melton	01322 479000 07741 247 557 jason.melton@martellopiling.com
Foreman /Supervisor	To ensure all operations on site are carried out in a safe manner To manage Site Staff within the groups legal requirements, policies, works program. groups Site FIRST AIDER	TBC	

B3 Emergency arrangements

In the event of a site accident please inform a supervisor immediately.

Nearest Hospital (A&E):
Manchester Royal Infirmary Accident and Emergency Dept, Manchester Royal Infirmary, Upper Brook St, Manchester M13 9NZ



B3.1 First Aid

Nominated, trained persons will be the site First Aiders. There will be a minimum ratio of 1 First Aider to 20 operatives. Site First Aid boxes will be on site at all times during the contract and located in all site offices.
The accident book will be located in the Main site office.
All accidents and near misses will be reported immediately to Domis HSE manager
If an ambulance is required, then the emergency services will be called using the standard 999 telephone number and procedure.
The nearest hospital will be displayed on the site notice board.

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B3.2 Accident, Incident, Near Miss and Environmental Incident Reporting

- All incidents must be reported, immediately to Domis management.
- If a serious accident, incident, or dangerous occurrence occurs, all supervisors and operatives shall remain on site until authorised to leave by the appropriate person from Domis (SHE Manager, Construction Manager) or Police.
- Investigations into incidents will be the responsibility of Domis SHE Manager with the assistance of the sub contractor.
- RIDDOR reportable accidents will be reported to the HSE, by the Domis SHE Manager or the injured person's employer.
- Domis must be issued with copies of the following: -
- F2508 RIDDOR reportable accident
- Accident book entry made by the sub-contractor
- Investigation reports

ORGANISATION	PHONE NUMBER
Emergency Services	999
NHS Direct	0845 46 47
Franki Foundations UK	
Martello 24 Hr Contact (On Call Manager) Dave Hall	07741 644112
Martello HSE Manager Alan Turner	07917186160
OTHERS	
Martello Emergency Call out	07747 240104 / 07741 644112
Environment Agency	0800 80 70 60
Electricity	0800 028 0247
National Gas Emergency Service	0800 111 999
Water	0845 9200 800
British Telecom	0800 917 3993
NR Help line	08457 114 141

B4 Welfare

Welfare facilities will be located within the Site boundry and will comply with the requirements of the Construction Design and Management (CDM) Regulations 2015 and incorporate The Smoke-free (Premises and Enforcement) Regulations 2006.

Facilities will comprise of:

- Site office
- Drying room with lockable lockers/Changing facilities
- Canteen
- Toilet/Washing Facilities

B5 Interfaces

B5.1 Interface with other operations

- All deliveries will be submitted 24 hours to the Domis logistics team
- The Martello supervisor will attend the periodic Logistics/traffic management meetings to agree all access routes, deliveries, storage areas as coordinated by Domis.
- A Martello operative will be present during all on site vehicle movements.
- All operations to be coordinated with all parties involved and the Martello site supervisor will attend the Domis Daily coordination meetings.
- Updates of site access routes, security points, turning areas will be briefed to all Martello operatives.

B5.2 Interface with the Public

- Access/ egress will be via designated points as detailed in the Domis Logistics & Traffic Management Plan and will be controlled by Domis.

B7 Risk Assessments

See separate Appendix J.

C Briefing

C1.1 Briefing arrangements

Operatives will be briefed on each individual task they are to carry out and recorded on the task briefing record.

All operatives, prior to commencement of work will attend a site induction briefing. This will be carried out by the Domis Health and Safety Division Manager or their nominated deputy.

All operatives, prior to commencement of work will attend a WPP and Task Briefing. This will be carried out by the Site Manager/Supervisor or his nominated deputy. The Domis Site Manager may chair a question-and-answer session to confirm attendants understanding of the aforementioned briefing.

All visitors to this site will attend a visitor briefing, this will be carried out by the Domis Site Manager or his nominated deputy.

All visitors, prior to accessing the site of works will attend an abridged site induction, only relevant sections appertaining to current site activities at the time of visit are to be briefed out, this will be carried out by Domis Site Manager or his nominated deputy.

All operatives will only be briefed on the Task Briefings Sheets relevant to their work activity and will be briefed on any other activities taking place that may interface with their work task.

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Appendix A Recorded Piling Report

GROUP BORED PILE RECORD SHEET

Contract Name				Contract Number		Sheet No	
Drawing Nos		Rig Type		Date Pile Completed		Pile Reference	

Date	Casing Installation		Bored Time		Concrete			
	Start	Finish	Start	Finish	Start	Finish	Start	Finish

Pile Details as Constructed

1	Pile type		
2	Pile diameter	0	mm
3	Piling Platform level	0.000	AOD
4	Bored depth	0.000	m
5	Toe level	0.000	OD
6	Concrete depth below PPL	0.000	m
7	Concrete casting level	0.000	OD
8	Concreted length	0.000	m
9	Verticality - Checked by MPL	Yes	No
10	Verticality - Checked by Client	Yes	No
11	Orientation	N	E

Reinforcement details as constructed

12	Length of reinf cage	11.600	m
13	Level of top of reinf cage	0.000	OD
14	Toe level of reinf cage	-11.600	OD
15	Diameter of reinf cage		mm
16	Spacer Cover	75mm	
17	No/dia of vert bars	1.1	
18	Couplers Type	N/A	
19	Pre Concrete Orientation check	Yes / No	
20	Post Concrete Orientation check	Yes / No	
21	Plunge Column	Yes / No	
22			

Bentonite/Polymer test record		(if reqd)
Further Reinforcement info recorded		(if reqd)

Casing Details		Temp/Perm	Temp/Perm
Inside/Outside dia		780/840	
Casing Length above PPL	0.000		
Casing Length below PPL	10.500		

STRATA DETAILS

W- denotes waterstrike

S - denotes soil sample

CONCRETE DETAILS

Concrete Mix/Ref		
Ticket No.		
Slump		
Cubes (N° of ID)		
Tremmie Used	YES/NO	
Theoretical Volume		0.000
Actual Volume		
Overbreak		#DIV/0!
Obstruction Time		
Standing Time		
Signed as a correct record on behalf of the Group		
Date:		
Client signature:		

Distribution		
	Client	Yes / No
	Head Office	Yes / No
	Site File	Yes / No

Comments:

Appendix B Observation Card Reporting

M24772 - Viadux Phase 2 - Main Works - WPP

NAME

EMPLOYER

(you don't have to tell us, but it will let us tell you what happened if you did)

ANY OTHER COMMENTS?

Give this card to your supervisor or place in the box.

You can also send a photo from your phone or email us at admin.reports@martellopiling.com

Martello Piling Ltd

"PLEASE HELP TO KEEP MY DADDY SAFE"

SHARE YOUR OBSERVATIONS GOOD & BAD



We promise that we will:

- **Celebrate the good**
- **Fix the bad**
- **Share what has happened**

At the end of every year Martello will donate £1 for every card completed to charity. Please indicate below the charity you would like us to support.

- ❑ **The Lighthouse Club - The construction industry charity.** *Provide financial assistance, welfare and wellbeing advice and emotional and legal support to the Construction Community to relieve hardship and stress.*
- ❑ **RSPCA** *A unique animal welfare charity - the oldest welfare charity around.*
- ❑ **Rainbow Trust Childrens Charity.** *Caring for families who have a child with life threatening or terminal illness.*

WHAT I SAW . . .

WE WILL REVIEW WHAT YOU TELL US

WHAT DO YOU WANT TO SAY?

TICK A BOX THAT APPLIES

SYSTEMS BEHAVIOUR
- ❑ Adherence / Breach of Safe System

PLANT
- ❑ Hired Plant
- ❑ Hired Tools
- ❑ Electricity
- ❑ Martello Plant
- ❑ Martello Tools

ORGANISATION
- ❑ Access / Egress
- ❑ Lighting / Signage
- ❑ Traffic Management
- ❑ Tidiness
- ❑ Movement of Plant
- ❑ Services (OH & UG)

RISK PERCEPTION
- ❑ Hazardous Substances
- ❑ Fire / Hot Works
- ❑ Lifting Operations
- ❑ Work at Height
- ❑ Danger to Public
- ❑ Attention / Safety Awareness
- ❑ Noise & Vibration

M24772 - Viadux Phase 2 - Main Works - WPP

DID YOU SEE SOMETHING GOOD, BAD OR A GREAT IDEA TO SHARE?

❑ GOOD ❑ BAD ❑ GREAT IDEA

PROJECT NAME

WHERE AND WHEN I SAW IT (DATE)

WHAT I DID

WHAT DO I THINK SHOULD HAPPEN?

Appendix C Daily Briefing Record

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General Daily Briefing Record

Contract	Date

S.T.A.R (Stop, Think, Act and Review)

HEALTH & SAFETY

- It is up to the individual to ensure you are inducted for works on all sites
- Attendance Register - Sign in on arrival and out when leaving site.
- If You are unfit for work let your supervisor know and do not attend site.
- Attend the daily briefing and ask about anything you do not understand or agree with.
- If anything changes regarding the works stop and report it to your supervisor.
- Report all unsafe acts, positive activity using the observation cards.
- Exclusion zones to be in place at all times around works with Rigs cranes and excavators.
- Do not deviate from RAMS and lift plans – if you do not agree with them ask your supervisor to clarify.
- Smoking only in designated areas.
- Always use designated walkways and traffic routes.
- Tag lines to be put on all items being lifted.
- All vehicles delivering to site to have a designated banksman when reversing.

Lifting

- All lifting accessories to be checked before use.
- Lift plan to be briefed, understood and not deviated from in any way. Ask if unsure.
- Webbing slings to have edge protectors on when lifting anything with sharp edges.

PPE

- Company 5 point PPE policy to be adhered to at all times, Gloves, glasses, hard hat, hi-visibility clothing and lace up boots.
- Other task specific PPE to be worn eg ear defenders and long sleeves on concrete pump.
- Task specific PPE needed today –
- Considerations from yesterdays works

Today's works

Briefing given by:	

I have understood the briefing:						
Name	**Time in**	**Time out**	**Travel Time**	**Travel mode**		**Signature**
				Public	**Private**	

Appendix D Working Platform Certificate

Working Platform Certificate (FPS/WPC/4e)

Project Name			
Work area covered by this certificate			
Piling Platform Level		Checked By	

Part 1 – WORKING PLATFORM DESIGN

Equipment to be used on site.	
Maximum plant loading	

Designer Name			Tel No.
Designer Organisation			
Is Testing Specified?	Yes/No	If 'Yes' Give Details:	

Part 2 – VERIFICATION BY PRINCIPAL CONTRACTOR

The working platform detailed above has been designed, installed to the design, and as specified, tested to safely support the equipment detailed in Part 1 above. The limits of the platform have been clearly identified on site as necessary.

The working platform will be REGULARLY INSPECTED, MAINTAINED, MODIFIED, REPAIRED, and REINSTATED to the as-designed condition after any excavation or damage, throughout the period when the equipment is on site. A completed copy of this certificate signed by an authorised person from the Principal Contractor shall be given to each user of the working platform prior to commencement of any works.

Name & Position		Date
Organisation		Signature

The HSE has worked closely with the FPS to develop this initiative and supports the principle of reducing accidents by the certification of properly designed, installed and maintained working platforms.

Franki Foundations

FEDERATION OF PILING SPECIALISTS

Martello Piling

Working Platform Regular Inspection Log

The working platform is to be inspected at weekly intervals and after any event that might change the nature of the working platform (such as heavy rain or flooding). Any modification or repair to the working platform is in accordance with the platform design. If necessary, a revised Working Platform Layout Drawing has been issued to the specialist contractor.

Date	Organisation	Name & Position	Signature	Comments (include key details of alteration, modification, maintenance, repair, date of next inspection, and any testing)

Guidance on working platforms for tracked plant

Roles and responsibilities:

Designer - A competent individual responsible for the design and specification of the working platform for the specified plant.

Authorised Person - A competent individual responsible for ensuring that the working platform is installed and tested in accordance with the design document and drawings. This individual should be authorised to act on behalf of the Principal Contractor.

1. Design

1.1. The HSWA 1974 and CDM Regulations 2015 require the Principal Contractor to appoint competent Designers in respect of working platform design. This legislation explains how competence can be assessed by reference to professional qualifications or professional memberships and by reference to practical experience of the design of working platforms. Principal Contractors must be satisfied that a competent Designer has been appointed by them in accordance with the relevant legislation before they complete and sign the WPC.

1.2. The FPS Working Platform Certificate is mandatory for all sites where a rig or attendant plant operates. It must be signed by an Authorised Person from the Principal Contractor. This signature confirms that the legal duties required under CDM have been carried out.

1.3. Whilst the same type of rig may be operated by different companies, the design bearing pressures may differ due to the specific operating configuration of the rig and/or any modifications. Details of the plant to be used and bearing pressures will be provided by the specialist contractor in advance of work commencing. Loading in accordance with the BR470 design approach can be determined using the FPS Rig Bearing Pressure Calculation tool.

1.4. Working platform design and performance is extremely sensitive to the bearing pressure and type of fill used in the platform. For example, changing the angle of friction of the fill from 35° to 45° can halve the platform thickness. It is therefore advised that the Designer may have to adopt conservative estimates of platform shear strength unless higher values can be demonstrated by testing or by reference to appropriate published data. In accordance with BR470 the working platform fill should contain < 15% fines.

1.5. It must be ensured that adequate drainage is installed to prevent the build-up of water within or on the surface of the platform. The drainage requirements should be designed, taking account of the planned works (including groundwater and slurry arisings) and the time of year in which the works are being carried out. The platform designer should be aware of any planned drainage installation. Drainage normally includes a slope on the subgrade, to prevent pooling or soft spots at the base of the platform. In addition, drainage runs, and water extraction may be required, depending on the site conditions and type of work being carried out.

1.6. Proof testing of the platform should be carried out by an appropriate method such as those detailed within TWF[1] or EFFC/DFI[2] guidance. Such testing, as part of an appropriately designed testing regime, should highlight any gross inconsistencies in platform performance. Potentially, significant savings in platform thickness and cost may be realised by adopting a more detailed testing strategy.

1.7. The working platform must have a design life which starts before delivery of the specialist equipment and, as a minimum, extends to completion of all geotechnical works. This includes load testing, integrity testing, investigation of non-conformances and any remedial works. Consideration should be given to ensuring that the working platform remains serviceable for follow-on activities, noting that these would not necessarily be covered by this certification.

1.8. Working platforms must maintain safety and efficiency throughout their design life while also being economically viable; both in terms of cost-effectiveness and sustainability. To achieve this, it is crucial to avoid over-designing platforms, ensuring a thorough evaluation of equipment loading, soil parameters, and appropriate testing regimes. The design and construction of temporary working platforms should incorporate all three pillars of sustainability: economic, environmental, and social. Whilst financial considerations often take precedence, the advantages of reducing carbon emissions, social welfare, and improving health and safety standards should not be overlooked. Further information in this respect can be found within the EFFC/DFI[2] guidance document.

2. Installation

2.1. If the working platform is to be constructed or removed in phases whilst geotechnical works are ongoing, then the extent of the platform must be clearly defined on the certificate and physically demarked on site. This is particularly important where the platform material is removed from an area previously made available to the specialist contractor.

2.2. The working platform will provide access for all plant deliveries, sub-contractors and personnel associated with the specialist operations. The working platform must be safe for pedestrian access and free from trip hazards (protruding reinforcement is a common hazard). It must not contain harmful materials and contaminants, particularly those that can become airborne in dusty conditions. Properly designed and installed, the working platform could also provide suitable and safe access for following trades for the whole project.

2.3. It is good practice that the working platform, including all accesses and ramps, should extend at least 2m beyond the pile position/edge of the building/outside edge of the rig tracks, subject to the design minimums, to ensure sufficient safe working area for the specialist's personnel and attendant plant. Note that when using a BR470 platform design, the edge distance should be a minimum of at least half the machine width. Where there is a requirement to work less than 2m (or half the rig width, as applicable) from the platform edge, it must be ensured that the Designer has considered this and the subsequent installation requirements within their design.

2.4. Where access ramps are used to move between working levels these must be of sufficient gradient (typically 1:10) and width to allow the plant to move safely within the stability constraints of the machine. All ramps must be specifically considered by design before installation. Ramps must be in a straight line between working areas. Rigs and cranes cannot change direction on ramps. Where a change in direction is required, this must be on a flat level platform.

2.5. Poor definition of the edge of the working platform, including ramps, is a major cause of tracked plant instability. The permissible working extents of the platform (minimum distance of plant to platform edge) for working platforms, access areas and ramps, should

be adequately identified/demarcated. The method of demarcation should be suitable for the level of risk and consider the practicalities of normal rig operation. In high-risk areas, physical barriers such as timber sleepers or roadblocks are recommended.

2.6. Construction records should be kept relating to the installation of the platform, including (but not limited to):- details of the site preparation, provision of drainage, weather and sub-grade conditions, method and details of compaction plant, testing etc.

3. Maintenance, modification, repair and reinstatement

3.1. The working platform must be kept free draining. Water and slurry which is allowed to build up on the working platform can hide such hazards as recently constructed piles, trip hazards, uneven or unstable ground, services and excavations. Slurry can be transferred to work equipment which increases the risk of slips on steps as well as difficult handling of work tools. In addition, saturation of the platform can lead to rapid deterioration of the platform. In the case of fine-grained sub-grades, a separation/filter membrane should be provided beneath the platform material to inhibit 'pumping' and infiltration of the fine-grained soils up into the platform material during wet weather (which can impair platform performance and increase maintenance costs).

3.2. Obstructions encountered during installation of the geotechnical works will generally require excavation to remove them. This can create a 'soft spot' which can result in the rig overturning. It is essential, therefore, that any excavations made in the working platform are reinstated to the design, including any reinforcement and separation filter/membrane. This is not always practicable, such as for large diameter bored piles with a concrete finish level below platform level, and in these cases the platform designer must be made aware and consider this within their design. A separate guidance document on excavation and reinstatement is provided specifically covering pile related instances.

3.3. The working platform shall be subject to regular inspection by a competent individual appointed by the Principal Contractor (e.g. the Temporary Works Co-ordinator) throughout its design life and after any reinstatement or any works which might have modified it. Any damaged or inadequate areas identified must be reinstated to the designed standard. Following the regular inspection, the Working Platform Regular Inspection Log shall be signed by an authorised representative of the Principal Contractor and issued to the specialist contractor with a layout drawing of the working platform amended as appropriate.

3.4. Where there is an intention to reuse platform material (whether for repair, reinstatement, or new platform installation) it must be ensured that on each occasion of reuse this still complies with the design requirements and the material should be re-tested to ensure this. Failure to do so can lead to the rapid deterioration of the working platform. It must be ensured that any testing is reflective of the typical material planned for reuse and meets the requirements of the material testing as defined within the design. Further guidance is provided on this within the TWF guidance[1].

3.5. The design platform minimum thickness must be maintained. Depending on the technique being carried out there may be a requirement for the removal of spoil arisings and scraping of the platform surface. In this case consideration needs to be given by the designer and party responsible for maintenance as to how the platform thickness is to be maintained, which may include regular surveying or a sacrificial wearing layer. Further guidance is available in the TWF guidance[1].

3.6. The specialist contractor is to advise the Principal Contractor at the earliest practicable opportunity should the specialist contractor become aware of any circumstances relating to the working platform that renders it unsafe.

4. Working Platform Layout

4.1 Items that must be included and properly located on the working platform layout drawing and be notified by the Principal Contractor to the specialist contractor would include: detail of platform edges and minimum 2m delineation, trial pits, services or voids, areas of backfilling, known underground basements; areas that are covered by the certificate or permit, test locations (if specified by the Designer of the platform) and any other feature that may affect the safety of operations**.**

References

1. TWF document 'Design and Construction of Granular Working Platforms' TWf2024:03 (November 2024).

2. EFFC/DFI 'Guide to Working Platforms' Edition 2 (May 2025).

Appendix E Health and Safety Policy Statement

Health and Safety Policy Statement

It is the policy of the Group (Franki Foundations UK Ltd, Martello Piling Ltd, Able Piling & Construction Ltd and High Mead Developments Ltd) under the Health and Safety at Work Act 1974, to provide a place of work that is safe and without risk to the health and to ensure the health, safety and welfare of all its employees, sub-contractors, visitors and members of the public, and all users of its construction works and sites, driving risks and workplace transport safety so far as is reasonably practicable. We also fully accept our responsibility for other persons and will take steps to ensure that our statutory duties are always met.

To this end the Group accepts its obligation to seek to reduce to a minimum the incidence of accidents, dangerous occurrences, and hazards by ensuring that all processes and systems of work are designed to take account of health and safety and are properly supervised at all times.

The group commits, so far as is reasonably practicable, to undertake the following:

- Allocate sufficient resources to meet our health and safety objectives.
- Provide adequate control of health and safety risks arising from our work activities.
- Consult with our employees, business partners and clients on matters affecting health and safety.
- Provide and maintain safe plant and equipment.
- Ensure safe use, handling, storage and transporting of articles and substances.
- Provide information, instruction, and supervision for employees.
- Ensure all employees are competent to do their tasks and to give them adequate training.
- Prevent accidents and cases of work-related ill-health.
- Maintain safe and healthy working conditions.
- Review and revise this policy as necessary at regular intervals.
-

This Policy works in conjunction with other policies and procedures such as:

- Drugs and Alcohol Policy
- Equality and Diversity Policy
- Whistle Blowing Policy
- Data Protection Policy
- Behavioural Safety Policy

This statement is in support of the companies QMS-EMS-OHS Manual and management system that has been produced in line with our accreditation for ISO 45001:2018. The manual outlines the framework for the management systems, it is continually monitored to ensure that the objectives and targets can be achieved and, if necessary, revised in the light of legislative or organisational changes.

The Group expects all employees and contractors working on their behalf to fully co-operate in the implementation of the health and safety policy.

Craig Macklin



UK Group Managing Director
Feb 2025

Appendix F Sustainability Policy Statement

SUSTAINABILITY POLICY

The Group (Franki Foundations UK Ltd, Martello Piling Ltd, Able Piling & Construction Ltd and High Mead Developments Ltd) is committed to promoting sustainability throughout its operations. Concern for the environment and promoting a broader sustainability agenda are integral to group's activities and the management of the organisation. We aim to follow and to promote good sustainability practice, to reduce the environmental impacts of all our activities and to help our clients and suppliers to do the same.

Principles
Our Sustainability Policy is based upon the following principles:

- To comply with, and exceed where practicable, all applicable legislation, regulations and codes of practice.
- To integrate sustainability considerations into all our business decisions.
- To ensure that all staff are fully aware of our Sustainability Policy and are committed to implementing and improving it.
- To minimise the impact on sustainability of all office and transportation activities.
- To make clients and suppliers aware of our Sustainability Policy and encourage them to adopt sound sustainable management practices.
- To review, annually report, and to continually strive to improve our sustainability performance.

Practical steps
In order to put these principles into practice we will:

Travel and meetings

- Walk, cycle and/or use public transport to attend meetings, site visits etc, where practical and cost efficient.
- Include the full costs of more sustainable forms of transport in our financial proposals, rather than the least cost option which may involve travelling by car or air. Where the only practical alternative is to fly, we will include costs for full air fares rather than budget airlines in our financial proposals, and appropriate offsets.
- Avoid physically travelling to meetings etc where alternatives are available and practical, such as using teleconferencing, video conferencing or web cams, and efficient timing of meetings to avoid multiple trips. These options are also often more time efficient, while not sacrificing the benefits of regular contact with clients and partners.
- Reduce the need for our staff to travel by supporting alternative working arrangements, including home working etc, and promote the use of public transport by locating our offices in accessible locations.

Purchase of equipment and consumption of resources

- Minimise our use of paper and other office consumables, for example by double-siding all paper used, and identifying opportunities to reduce waste.

- To this end the group accepts it's obligation to seek to reduce to a minimum the incidence of accidents, dangerous occurrences and hazards by ensuring that all processes and systems of work are designed to take account of health and safety, and are properly supervised at all times.

- As far as possible arrange for the reuse or recycling of office waste, including paper, computer supplies and redundant equipment.

- Reduce the energy consumption of office equipment by purchasing energy efficient equipment and good housekeeping.

- Purchase electricity from a supplier committed to renewable energy. Seek to maximise the proportion from renewable energy sources, whilst also supporting investment in new renewable energy schemes.

- Ensure that timber furniture and any other timber products are recycled or from well-managed, sustainable sources and are Forest Stewardship Council (FSC) certified.

- Purchase fair-trade and/or organic beverages.

Working practices and advice to clients

- Undertake voluntary work with the local community and / or environmental organisations and make donations to seek to offset carbon emissions from our activities.

- Publish on our Web Site a copy of our Sustainability Policy.

Craig Macklin



Franki Foundations UK Ltd
Group Managing Director
Feb 2025

Appendix G Programme

Appendix H Rig Details

Franki Foundations | Martello Piling | Able Piling | High Mead Developments



MP4003 Low Head Room Rotary Piling Rig

Base carrier	Martello Piling
Power unit	JCB Ecomax - EU Stage 3B
Rated output	129 kW @ 2050rpm

Undercarriage

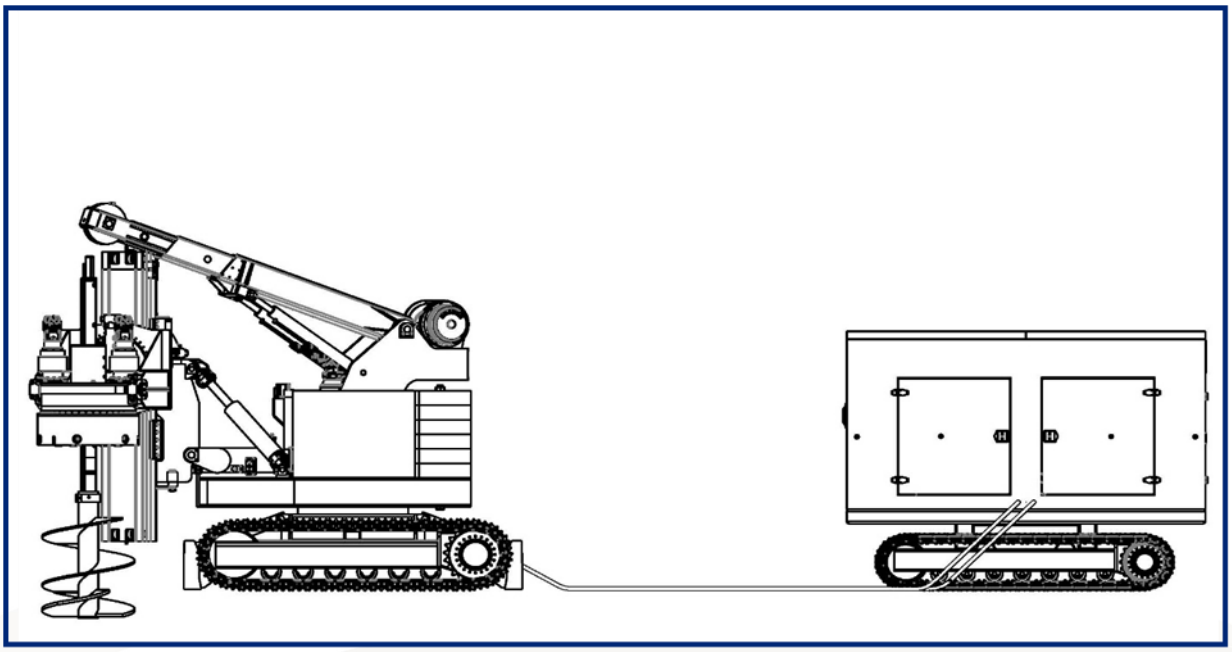
Width over tracks	2300 mm
Track pad width	500 mm
Length over tracks	3360 mm
Clearance under machine	360 mm
Maximum tractive effort	120 kN
Travel speed	1.0 km/hr

Hydraulic system

Hydraulic pressure (max)	250 bar
Main pump delivery	320 lit/min
Auxiliary pump delivery	20 lit/min

Note: Images may differ slightly to actual rig

Franki Foundations | Martello Piling | Able Piling | High Mead Developments



Technical Data

Operating Height (unrestricted)	6750	mm
Minimum operating height	3500	mm
Overall length	4750	mm
Overall width	2300	mm
Tail swing radius	Zero	
Operating radius	2580	mm
Operating weight Ø1050 tolling (approx.)	24,205	kg
Remote Power Pack	6,500	kg
Ground bearing pressure (max)	320	kPa
Ground bearing pressure (average)	160	kPa

Rotary Drive

Kelly torque at 230 bar	40	kNm
Casing drive torque at 230 bar	100	kNm

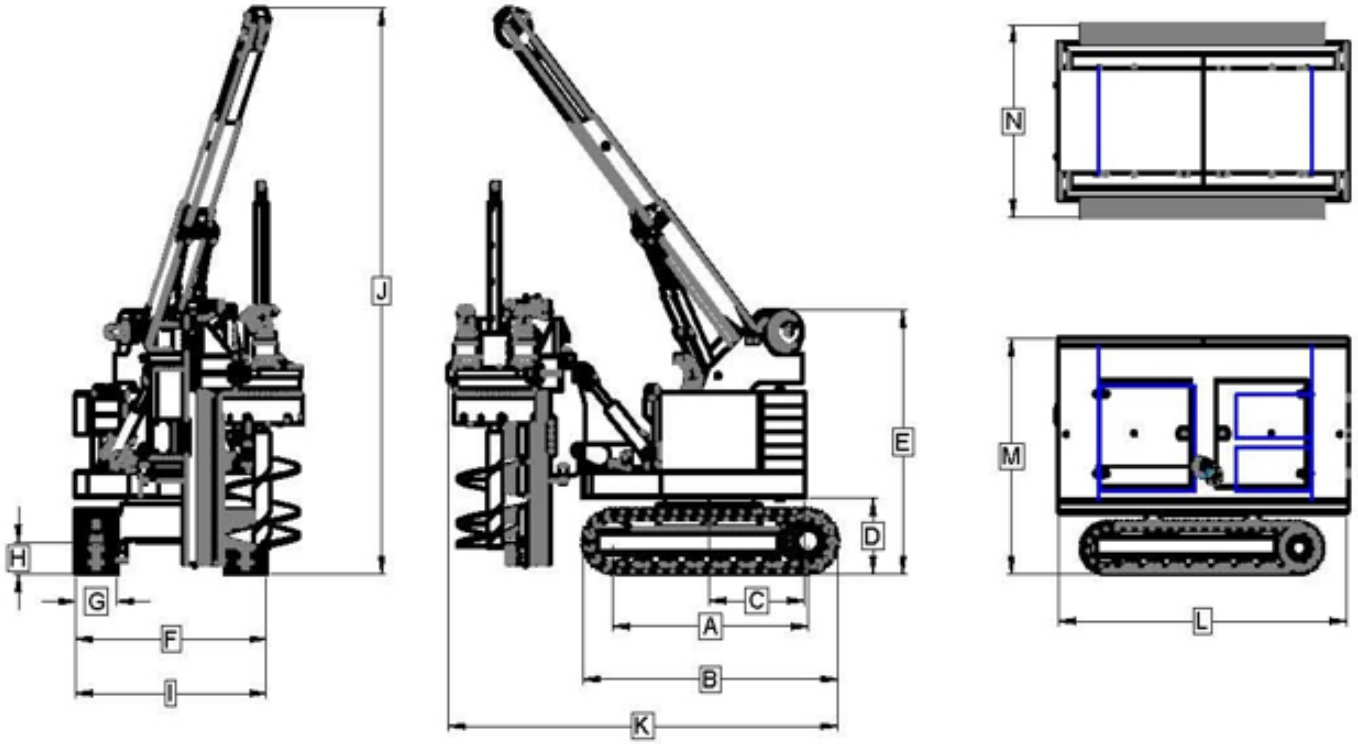
Crowd system

Max crowd force	100	kN

Main winch	Braden PD12
Single line pull (first layer)	50 kN

Note: Images may differ slightly to actual rig

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

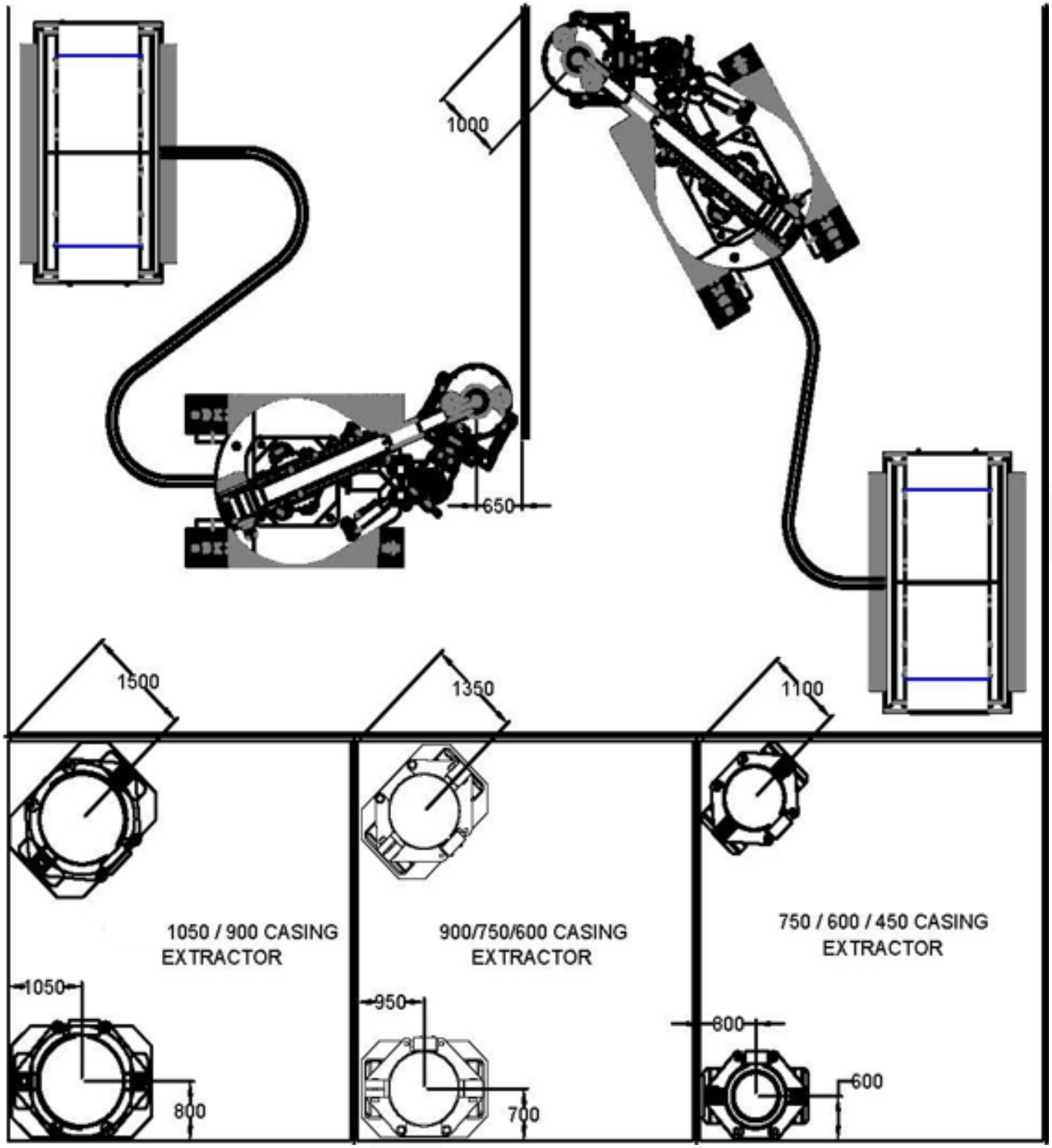


A	Track Wheel Centres	2360 mm	J	Minimum Operating Height	3500 mm
B	Overall Track Length	3080 mm	J	Maximum Operating Height	6750 mm
C	CL To Rear Of Machine	1150 mm	J	Machine Height As Shown	4650 mm
D	C'Weight Ground Clearance	870 mm	K	Overall Length Of Machine	4750 mm
E	Height Of Base Machine	3200 mm	*	Tail-Swing Radius	ZERO
F	Upperworks Width	2300 mm			
G	Track Pad Width	500 mm	L	Length Of Power Pack	3500 mm
H	Ground Clearance	360 mm	M	Height Of Power Pack	2750 mm
I	Width Over Tracks	2300 mm	N	Width Over P/P Tracks	2200 mm

Pile Diameters Available 450 / 600 / 750 / 900 / 1050

Note:- Detailed dimensions / CAD drawings available on request

Franki Foundations | Martello Piling | Able Piling | High Mead Developments



Franki Foundations | Martello Piling | Able Piling

Schedule of Piling Rig Component Weights, Dimensions, Forces and Pressures

Note: The disclaimer on the first worksheet applies to all tables in this workbook

Rig Manufacturer :	Martello Piling	Rig Type & Serial No.	MP4000	MP4003
Operation mode:	Rotary	Date:	30/01/2024	
Completed by:	M. Lawson	Checked by:	M. Lawson	

Main Components - Slewing:

Item	Mass (kg)	Weight (kN)	X - Coordinate	Y - Coordinate	Moment Mx (kNm)	Moment My (kNm)
Slewing Components Totals/Resultant (with θ=0)						
UPPER WORKS	8,860	87	0.00	0.67	-58	0
LOWER WORKS	0	0	0.00	0.00	0	0
SUSPENDED EQUIPMENT CONNECTED TO CROWD SYSTEM	3,400	33	0.00	2.52	-84	0
COUNTERWEIGHT	4,620	45	0.00	-0.85	39	0
OTHER	0	0	0.00	0.00	0	0
TOTAL/RESULTANT (with θ=0)	16,880	166	0.00	0.63	-104	0

Foot Pads - Slewing :

Description (Forces must be -ve)	Bearing Area	Max. Pad Loading	X - Coordinate	Y - Coordinate	Actual Shape	Actual Dimension
	m^2	kN	m	m		
Front Pad 1	0.00	0	0.00	0.00	0.00	0.00
Front Pad 2	0.00	0.00	0.00	0.00	0.00	0.00
Rear Pad 1	0.00	0.00	0.00	0.00	0.00	0.00
Rear Pad 2	0.00	0.00	0.00	0.00	0.00	0.00

Forces - Slewing

		Force	X - Coordinate	Y - Coordinate	
		kN	m	m	
Maximum Extraction Force (kN)		60	0.00	2.52	Must be inline with suspended equip't.
Maximum Penetration Force (kN)		-60	0.00	2.52	-ve Must be inline with suspended equip't.
Maximum Auxillary Force (kN)		50	0.00	2.64	Crane Winch Capacity

Main Components - Non-Slewing:

Item		Mass (kg)	Weight (kN)	X - Coordinate	Y - Coordinate	Moment Mx (kNm)	Moment My (kNm)
Lower Works Non-Slewing (undercarriage/tracks etc)	Tracks and Track Base	7325	72	0.00	0.00		
				0.00	0.00		
				0.00	0.00		
TOTAL/RESULTANT (with θ=0)		7,325	72	0.00	0.00	0	0
TOTAL RIG MASS		24,205					

Front Foot Pads - Non-Slewing

Description	Bearing Area	Max. Pad Loading	X - Coordinate	Y - Coordinate	Actual Shape	Actual Dimension
	m^2	kN	m	m		
Front Pad 1	0.20	-30		1.65	1.22 x .17	Blade
Front Pad 2					None	None
Rear Pad 1	0.20	-30		1.65	1.22 x .17	Blade
Rear Pad 2					None	None

Tracks		Slewing		
Track bearing length (m)	2.36	Can the Rig Slew?	YES	
Track pad width (m)	0.50			
Distance between centrelines of tracks (m)	1.80			

	Pressure Summary for Platform Design (unfactored)			BRE LOAD CASE (1 or 2)	Eccentricity Index		Winch Forces
MODE	Equiv. Track Length (m)	Equiv. Track Width (m)	Equiv. Uniform Bearing Pressure, q_{eq} (kPa)		Eccentricity index - X direction (sideways)	Eccentricity index - Y direction (forwards/backwards)	Algebraic sum of forces (kN)
Standing	1.62	0.50	159	1	0.13	0.33	0
Travelling	1.52	0.50	176	1	0.13	0.37	0
Handling	1.60	0.50	162	1	0.17	0.34	10
Penetrating	0.98	0.50	157	2	0.32	0.62	-60
Extracting	1.37	0.50	206	2	0.21	0.44	60
Other	Not Used	-	-	0	-	-	0

MODE	ERROR FOR TRACK	ERROR MESSAGES FOR LINE FORCES		
	Zero Pressure	Auxillary Line	Extraction Force	Penetration Force
Standing	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Travelling	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Handling	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Penetrating	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Extracting	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Other	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK

MODE	ERROR MESSAGES FOR FOOT PAD FORCES		ERROR MESSAGES FOR FOOT PAD PRESSURES	
	INPUT DATA		OUTPUT DATA	
Standing	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Travelling	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Handling	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Penetrating	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Extracting	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Other	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK

Note: The disclaimer on the first worksheet applies to all tables in this workbook

Notes

Handling limited to 10kN (aux. line)
It has been assumed that the rig will only opperate within 15deg range of the rig being inline with the tracks
The rear blade (foot) is used during penertration, front blade (foot) is used dueing handling and extraction.

Franki Foundations | Martello Piling | Able Piling

Schedule of Piling Rig Component Weights, Dimensions, Forces and Pressures

Note: The disclaimer on the first worksheet applies to all tables in this workbook

Rig Manufacturer :	Martello Piling	Rig Type & Serial No.	MP4000	MP4003_PP
Operation mode:	Rig Remote Power Pack	Date:	30/01/2024	
Completed by:	M. Lawson	Checked by:	M. Lawson	

Main Components - Slewing:

Item	Mass (kg)	Weight (kN)	X - Coordinate	Y - Coordinate	Moment Mx (kNm)	Moment My (kNm)
Slewing Components Totals/Resultant (with θ=0)						
UPPER WORKS	6,500	64	0.00	0.00	0	0
LOWER WORKS	0	0	0.00	0.00	0	0
SUSPENDED EQUIPMENT CONNECTED TO CROWD SYSTEM	0	0	0.00	0.00	0	0
COUNTERWEIGHT	0	0	0.00	0.00	0	0
OTHER	0	0	0.00	0.00	0	0
TOTAL/RESULTANT (with θ=0)	6,500	64	0.00	0.00	0	0

Foot Pads - Slewing :

Description (Forces must be -ve)	Bearing Area	Max. Pad Loading	X - Coordinate	Y - Coordinate	Actual Shape	Actual Dimension
	m^2	kN	m	m		
Front Pad 1	0.00	0	0.00	0.00	0.00	0.00
Front Pad 2	0.00	0.00	0.00	0.00	0.00	0.00
Rear Pad 1	0.00	0.00	0.00	0.00	0.00	0.00
Rear Pad 2	0.00	0.00	0.00	0.00	0.00	0.00

Forces - Slewing

		Force	X - Coordinate	Y - Coordinate	
		kN	m	m	
Maximum Extraction Force (kN)		0	0.00	0.00	Must be inline with suspended equip't.
Maximum Penetration Force (kN)		0	0.00	0.00	-ve Must be inline with suspended equip't.
Maximum Auxillary Force (kN)		0	0.00	0.00	Crane Winch Capacity

Main Components - Non-Slewing:

Item		Mass (kg)	Weight (kN)	X - Coordinate	Y - Coordinate	Moment Mx (kNm)	Moment My (kNm)
Lower Works Non-Slewing (undercarriage/tracks etc)	Tacks and Track Base			0.00	0.00		
				0.00	0.00		
				0.00	0.00		
TOTAL/RESULTANT (with θ=0)		0	0	0.00	0.00	0	0
TOTAL RIG MASS		6,500					

Front Foot Pads - Non-Slewing

Description	Bearing Area	Max. Pad Loading	X - Coordinate	Y - Coordinate	Actual Shape	Actual Dimension
	m^2	kN	m	m		
Front Pad 1						
Front Pad 2						
Rear Pad 1						
Rear Pad 2						

Tracks		Slewing		
Track bearing length (m)	2.34	Can the Rig Slew?	NO	
Track pad width (m)	0.50			
Distance between centrelines of tracks (m)	1.69			

	Pressure Summary for Platform Design (unfactored)			BRE LOAD CASE (1 or 2)	Eccentricity Index		Winch Forces
MODE	Equiv. Track Length (m)	Equiv. Track Width (m)	Equiv. Uniform Bearing Pressure, q_{eq} (kPa)		Eccentricity index - X direction (sideways)	Eccentricity index - Y direction (forwards/backwards)	Algebraic sum of forces (kN)
Standing	2.34	0.50	27	1	0.00	0.00	0
Travelling	2.34	0.50	27	1	0.00	0.00	0
Handling	2.34	0.50	27	1	0.00	0.00	0
Penetrating	2.34	0.50	27	2	0.00	0.00	0
Extracting	2.34	0.50	27	2	0.00	0.00	0
Other	Not Used	-	-	0	-	-	0

MODE	ERROR FOR TRACK	ERROR MESSAGES FOR LINE FORCES		
	Zero Pressure	Auxillary Line	Extraction Force	Penetration Force
Standing	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Travelling	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Handling	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Penetrating	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Extracting	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Other	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK

MODE	ERROR MESSAGES FOR FOOT PAD FORCES		ERROR MESSAGES FOR FOOT PAD PRESSURES	
	INPUT DATA		OUTPUT DATA	
Standing	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Travelling	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Handling	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Penetrating	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Extracting	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Other	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK

Note: The disclaimer on the first worksheet applies to all tables in this workbook

Notes

Non-Road Mobile Machinery (NRMM) info MP4003



NRMM info. input details

Machinery Type	Rotary bored piling rig
Machinery Manufacturer	High Mead Developments Ltd
Engine Manufacture Year	2013
Engine Identifier	Engine No. DH320/40678U2105113
Engine EU Type Approval Number	e11*97/68MA*2011/88*2655*00
Engine Power	129kW @ 2050 rpm
Retrofit Type	N/A
EU engine emission stage	Tier 4 interim

LOLER Inspection Form

Lifting Operations & Lifting Equipment Regulations 1998. Provision & Use of Work Equipment Regulations 1998. Regular Thorough Examination.

Report Number:
KSL0430

Name Of User
High Mead Developments Ltd

Location:
Markham Moor yard, Retford, DN22 0QU

Examination Dates

Last Examination Date

Current Examination Date
02/09/25

Next Examination Date
02/09/26

Description
Tracked Rotary Piling rig medium duty, MP4003.

Safe Working Load(s)
Main winch swl 50kn, aux winch swl 10kn.

Defects which could cause a danger to persons. Particulars of any repairs, renewals or alterations to rectify those defects and the time within which those defects shall be rectified.
None

Serial Number
MP4003

Make & Model
High Mead Developments Ltd, MP4000 series

Identification of any parts that require rectification.
None

Year Of Manufacture
2018

Location
Markham Moor yard, Retford, DN22 0QU

Observations and recommendations (issues relating to health and safety. Any actions stipulated should be suitably and satisfactorily completed).
None

Examination Scheme Number
N/A



Images

No Image
Images

No Image
Images

No Image
Images

Visit made on behalf of:

Client Name
High Mead Developments Ltd

Address:
Markham Moor yard, Retford, DN22 0QU

Client's Report Notes: (These notes DO NOT form part of Kaymech Solutions Ltd Inspection Report).

LOLER Inspection Form

Date of commencement of inspection and tests:
02/09/2025

Date of Report:
02/09/25

Signature of Engineer



MP6001

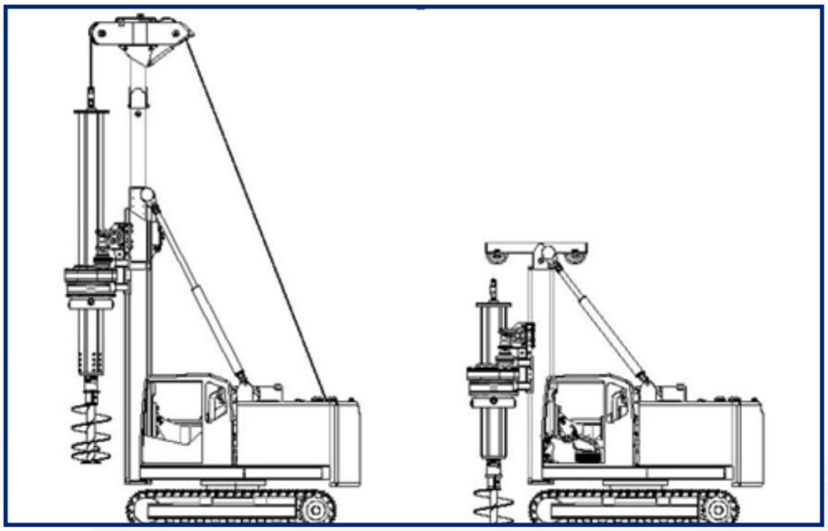
Low Head Room Rotary Piling Rig



Martello Piling

MP6001 Low Head Room Rotary Piling Rig

Operational Technical Data



Technical Data

Operating Height (unrestricted)	10,120	mm
Minimum operating height	5600	mm
Overall length	5565	mm
Overall width	2290	mm
Tailswing radius	2400	mm
Operating radius	2650	mm
Operating weight (approx)	25,000 - 28000	kg
Ground bearing pressure (max)	290	kPa
Ground bearing pressure (average)	150	kPa

Rotary Drive

Kelly torque at 230 bar	40	kNm
Casing drive torque at 230 bar	100	kNm

Crowd system

Max crowd force	100	kN

Main winch	Braden	PD17A
Single line pull (first layer)	75	kN

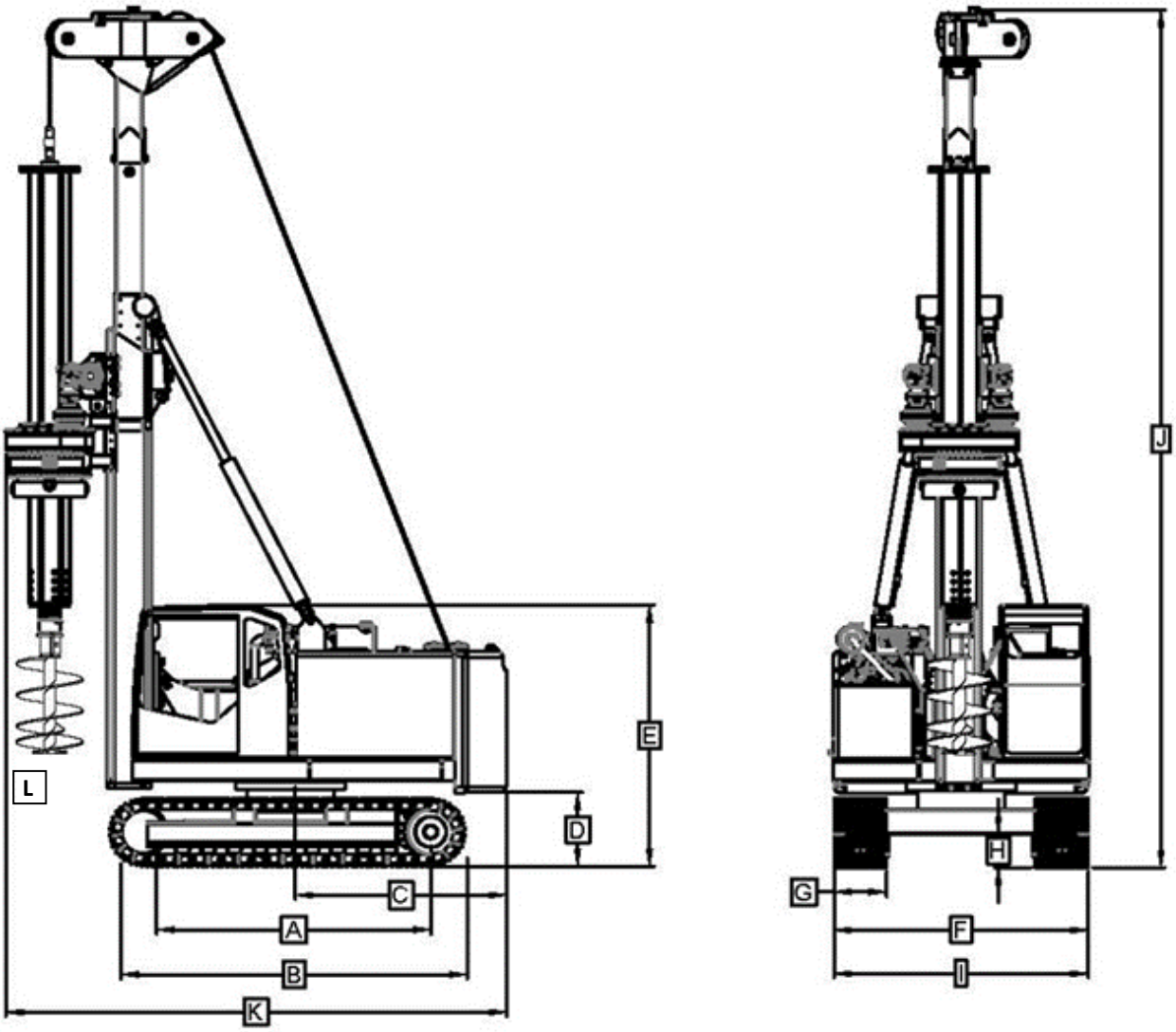
Auxillary winch	Braden	PG06
Single line pull (first layer)	27	kN

Mast inclination

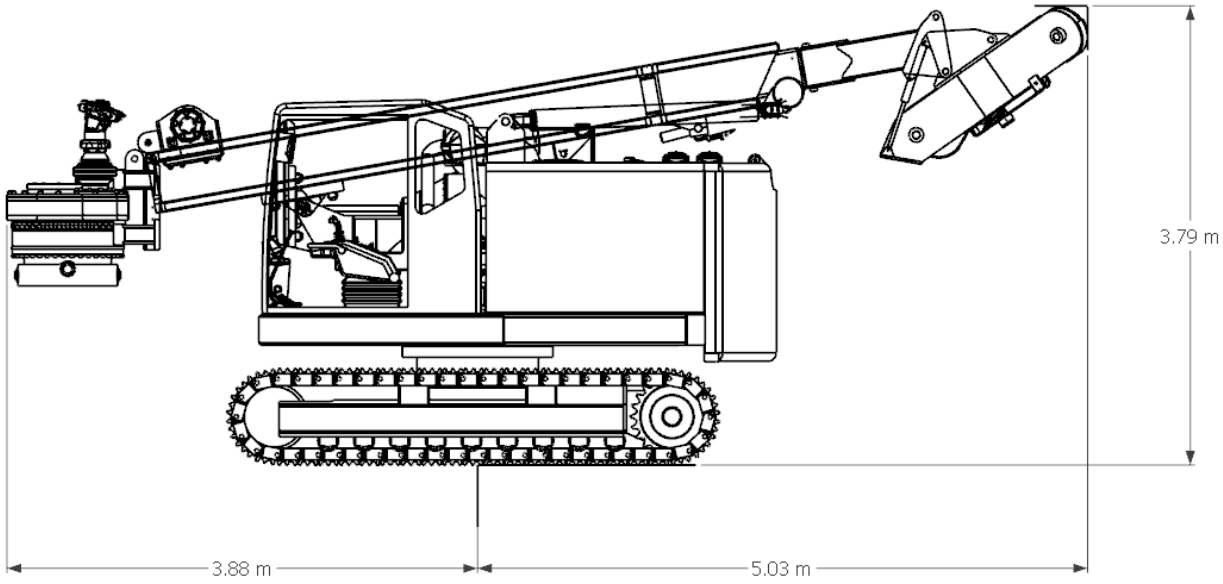
Fore/aft	5	degrees
Side/side	5	degrees

MP6001 Low Head Room Rotary Piling Rig

Operational Technical Data

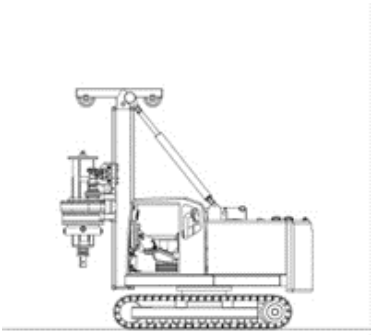
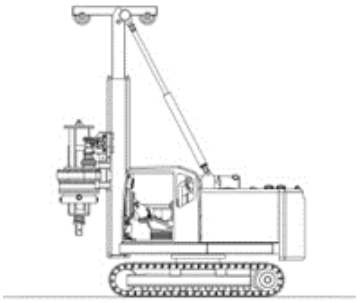


A	Track Wheel Centres	3200 mm	G	Track Pad Width	600 / 750 mm
B	Overall Track Length	4000 mm	H	Ground Clearance	420 mm
C	Tail Swing Radius	2400 mm	I	Width Over Tracks	2900 mm
D	Counterweight Ground Clearance	860 mm	J	Minimum Operating Height	5600 mm (Low Headroom Mast)
E	Height of Base Machine	3020 mm	J	Maximum Operating Height	10120 mm
F	Upperworks Width	2650 mm	K	Overall Length of Machine	5565 mm
			L	**Pile Centre to Rotary**	**500mm**
Operating Weight of Machine		25000 - 27500 kg	Pile Diameters Available		450 / 600 / 750 / 900 / 1050 / 1100 / 1200



MP6001 Low Head Room Rotary Piling Rig

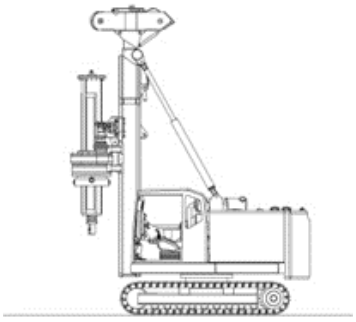
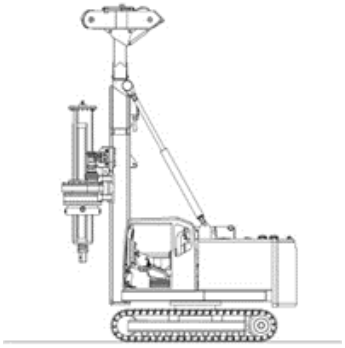
Piling Depths Compared to Available Headroom

Mast Configuration: **(no mast extension system)**	 Inner mast fully retracted **5,500mm Headroom**	 Inner mast fully extended **6,700mm Headroom**
Clearance Under Casing Drive and Kelly Stub:		
Height Multi Casing Drive	2,525 mm	2,525 mm
Height under 2.00m Kelly Bar	2,100 mm	3,300 mm
Height under 2.15m Kelly Bar	1,950 mm	3,150 mm
Height under 3.00m Kelly Bar	1,100 mm	2,300 mm
Height under 3.25m Kelly Bar	850 mm	2050 mm
Height under 4.25m Kelly Bar		
Height under 5.60m Kelly Bar		

Available Kelly Bars:			
Kelly Bar Designation:		**Depth capability:**	**Notes:**
2.0m	Locking (6 part)	8.5m	Insert required in rotary head
2.0m	Locking (7 part)	10m	
2.15m	Locking (8 part)	13.5m	Inner bar is friction drive
3.0m	Locking (7 part)	17m	
3.25m	Locking (7 part)	19m	
4.25m	Locking (8 part)	30m	Inner bar is friction drive
5.6m	Locking (7 part)	35m	
5.6m	Friction (6 part)	30m	Insert required in rotary head
5.6m	Friction (7 part)	35m	

MP6001 Low Head Room Rotary Piling Rig

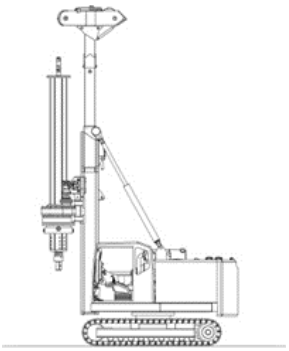
Piling Depths Compared to Available Headroom

Mast Configuration: **(with mast extension system)**	 Inner mast fully retracted Mast ext. removed **7,370mm Headroom**	 Inner mast fully retracted Mast ext. fitted **8,200mm Headroom**
Clearance Under Casing Drive and Kelly Stub:		
Height Multi Casing Drive	3,850 mm	3,850 mm
Height under 2.00m Kelly Bar	3,180 mm	4,100 mm
Height under 2.15m Kelly Bar	3,030 mm	4,080 mm
Height under 3.00m Kelly Bar	2,180 mm	3,230 mm
Height under 3.25m Kelly Bar	1,930 mm	2,980 mm
Height under 4.25m Kelly Bar	930 mm	1,980 mm
Height under 5.60m Kelly Bar		630 mm

Available Kelly Bars:			
Kelly Bar Designation:		**Depth capability:**	**Notes:**
2.0m	Locking (6 part)	8.5m	Insert required in rotary head
2.0m	Locking (7 part)	10m	
2.15m	Locking (8 part)	13.5m	Inner bar is friction drive
3.0m	Locking (7 part)	17m	
3.25m	Locking (7 part)	19m	
4.25m	Locking (8 part)	30m	Inner bar is friction drive
5.6m	Locking (7 part)	35m	
5.6m	Friction (6 part)	30m	Insert required in rotary head
5.6m	Friction (7 part)	35m	

MP6001 Low Head Room Rotary Piling Rig

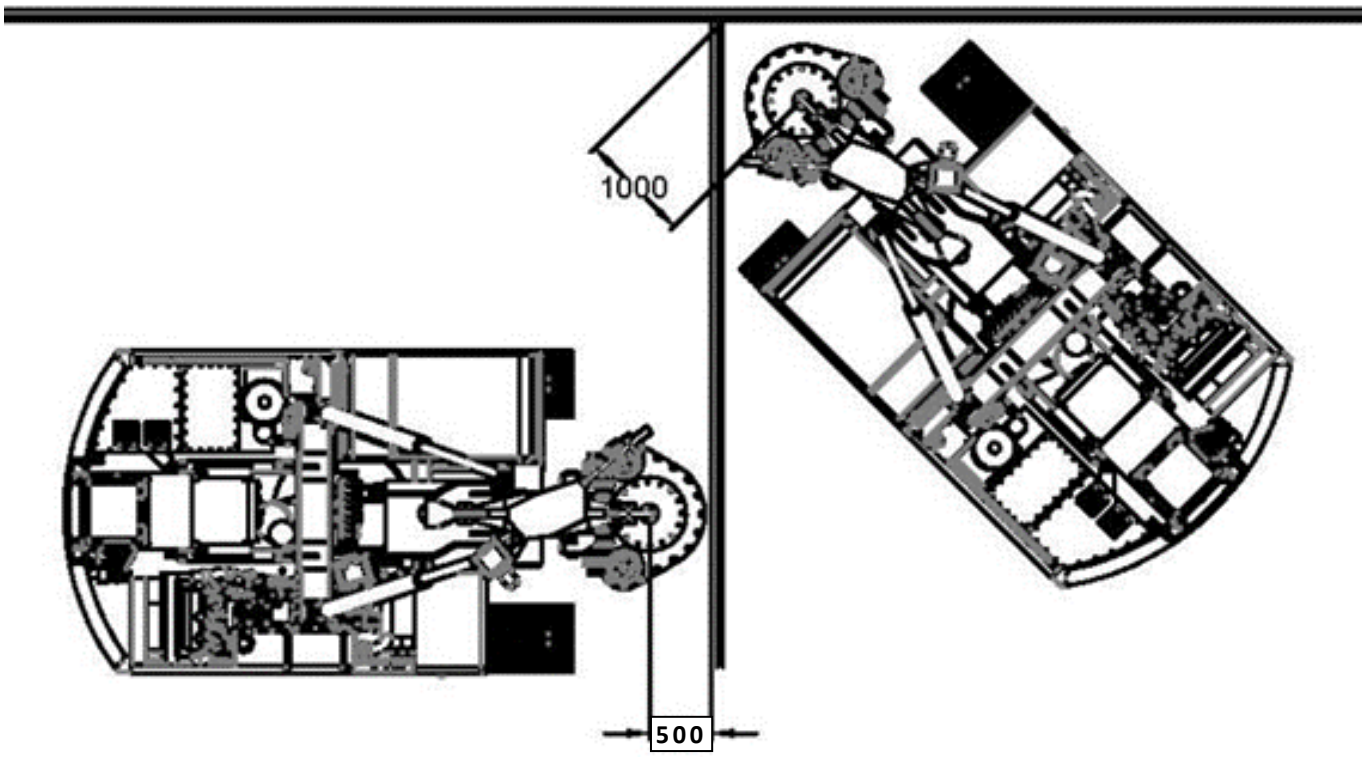
Piling Depths Compared to Available Headroom

Mast Configuration: **(with mast extension system)**	 Inner mast fully extended Mast ext. fitted **9,950mm Headroom**	
Clearance Under Casing Drive and Kelly Stub:		
Height Multi Casing Drive	3,850 mm	
Height under 2.00m Kelly Bar	3,850 mm	
Height under 2.15m Kelly Bar	3,850 mm	
Height under 3.00m Kelly Bar	3,850 mm	
Height under 3.25m Kelly Bar	3,730 mm	
Height under 4.25m Kelly Bar	2,730 mm	
Height under 5.60m Kelly Bar	1,380 mm	

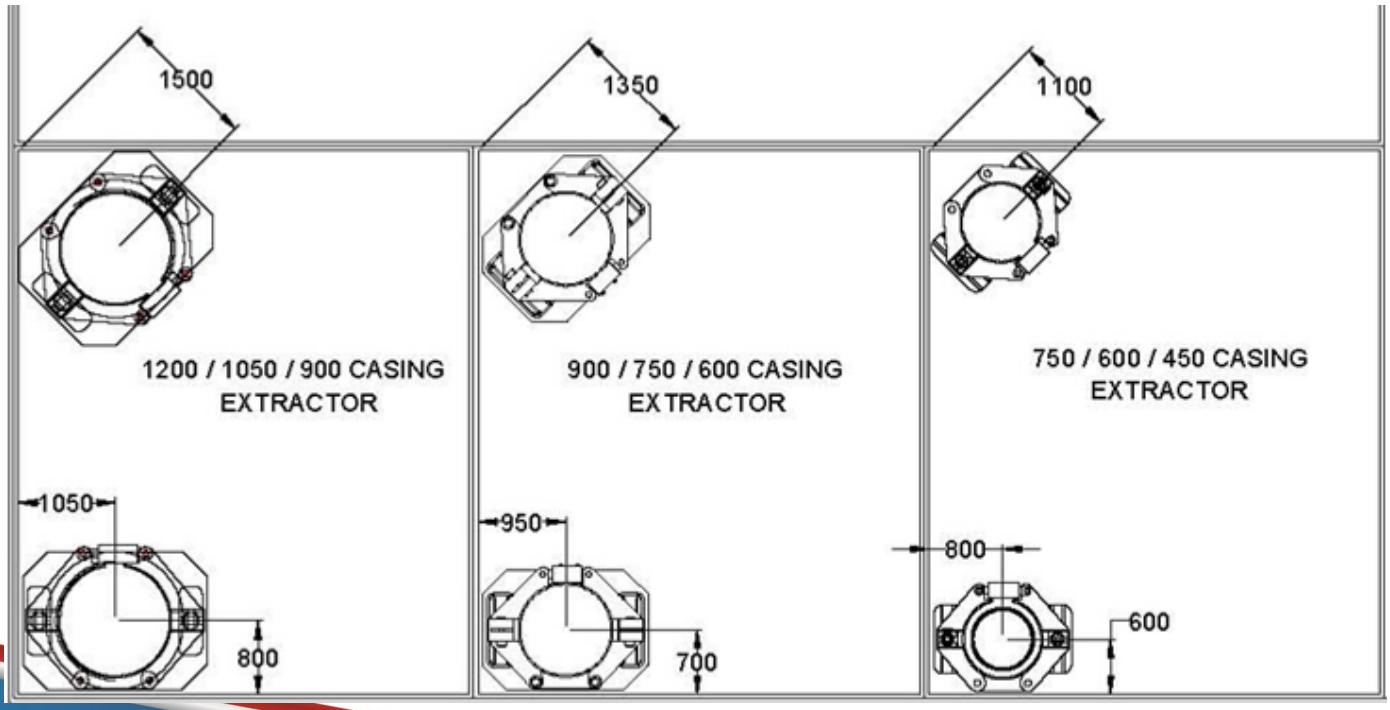
Available Kelly Bars:			
Kelly Bar Designation:		**Depth capability:**	**Notes:**
2.0m	Locking (6 part)	8.5m	Insert required in rotary head
2.0m	Locking (7 part)	10m	
2.15m	Locking (8 part)	13.5m	Inner bar is friction drive
3.0m	Locking (7 part)	17m	
3.25m	Locking (7 part)	19m	
4.25m	Locking (8 part)	30m	Inner bar is friction drive
5.6m	Locking (7 part)	35m	
5.6m	Friction (6 part)	30m	Insert required in rotary head
5.6m	Friction (7 part)	35m	

MP6001 Low Head Room Rotary Piling Rig

Hoarding Clearance



With Casing Extractor



MP6001 Low Head Room Rotary Piling Rig

Piling Rig Technical Data





Base carrier	Ackerman H7c / High Mead Developments Ltd	
Power unit	Volvo TAD52VE	
Rated output	160 kW (214 HP) @ 1800 rpm	
Undercarriage		
Width over tracks	2900	mm
Track pad width	600	mm
Length over tracks	3990	mm
Clearance under machine	420	mm
Maximum tractive effort	155	kN
Travel speed	2.2	km/hr
Hydraulic system		
Hydraulic pressure (max)	250	bar
Main pump delivery	1 x 288 + 1 x 40	lit/min
Auxiliary pump delivery	1 x 27.5 + 1 x 22.8	lit/min
Pilot system pressure	18	bar

MP6001 Low Head Room Rotary Piling Rig

Available Tooling



	Pile Size						
Tool Type	Ø450	Ø600	Ø750	Ø900	Ø1050	Ø1200	Ø1500
Auger, Clay	●	●	●	●	●	●	
Auger, Rock	●	●	●	●	●	●	
Digging Bucket, Clay	●	●	●	●	●	●	
Digging Bucket, Rock	●	●	●	●	●	●	
Cleaning Bucket	●	●	●	●	●	●	
,Core Barrell	●	●	●	●	●	●	



MP6001 Low Head Room Rotary Piling Rig

Available Segmental Casing



	Pile Size						
Casing type / Length	Ø450	Ø600	Ø750	Ø900	Ø1050	Ø1200	Ø1500
Lead Casing / 1.0m	●	●	●	●	●	●	
Lead Casing / 1.5m	●	●	●	●	●	●	
Casing / 1.0m	●	●	●	●	●	●	
Casing / 2.0m	●	●	●	●	●	●	



MP6001 Low Head Room Rotary Piling Rig

Additional Equipment Available

Casing Extractors										
	Pile Size							Extraction Force	Base Plate Area	Bearing Pressure
Model	Ø450	Ø600	Ø750	Ø900	Ø1050	Ø1200	Ø1500			
750	●	●	●					515kN	0.929m^2	555kPa
900		●	●	●				844kN	1.328m^2	636kPa
1050			●	●	●			844kN	1.551m^2	545kPa
1200				●	●	●		844kN	1.627m^2	519kPa
1300						●		844kN	1.627m^2	519kPa

Tremie Pipes								
	Length	Pile Size / Pile Depth						
Bore		Ø450	Ø600	Ø750	Ø900	Ø1050	Ø1200	Ø1500
8”	2.0m	??m	??m	??m	??m	??m	??m	
10”	3.0m					??m	??m	
10”	4.0m					??m	??m	

For Rig, Plant and Equipment Hire, Please Contact:

planthire@high-mead.com

www.frankifoundations.co.uk/en/rigs

High Mead Developments

Retford Road

A638

Markham Moor

Retford

DN22 0QU

For Foundation Piling Enquiries, Please Contact:

sales@frankifoundations.co.uk

www.frankifoundations.co.uk

Franki Foundations UK Ltd

76 Powdermill Lane

Questor Estate

Dartford

Franki Foundations | Martello Piling | Able Piling

Schedule of Piling Rig Component Weights, Dimensions, Forces and Pressures

Note: The disclaimer on the first worksheet applies to all tables in this workbook

Rig Manufacturer :	High Mead Developments	Rig Type & Serial No.	MP6000 MP6001
Operation mode:	Rotary Piling (LDA)	Date:	10/01/2022
Completed by:	M. Lawson	Checked by:	J. Chaloner

Main Components - Slewing:

Item	Mass (kg)	Weight (kN)	X - Coordinate	Y - Coordinate	Moment Mx (kNm)	Moment My (kNm)
Slewing Components Totals/Resultant (with θ=0)						
UPPER WORKS	4,610	45	0.00	1.23	-56	0
LOWER WORKS	9,734	95	0.00	-0.44	42	0
SUSPENDED EQUIPMENT CONNECTED TO CROWD SYSTEM	6,370	62	0.00	2.66	-166	0
COUNTERWEIGHT	1,535	15	0.00	-2.27	34	0
OTHER	0	0	0.00	0.00	0	0
TOTAL/RESULTANT (with θ=0)	22,249	218	0.00	0.67	-146	0

Foot Pads - Slewing :

Description (Forces must be -ve)	Bearing Area	Max. Pad Loading	X - Coordinate	Y - Coordinate	Actual Shape	Actual Dimension
	m^2	kN	m	m		
Front Pad 1	0.00	0	0.00	0.00	None	None
Front Pad 2	0.00	0.00	0.00	0.00	None	None
Rear Pad 1	0.00	0.00	0.00	0.00	None	None
Rear Pad 2	0.00	0.00	0.00	0.00	None	None

Forces - Slewing

		Force	X - Coordinate	Y - Coordinate	
		kN	m	m	
Maximum Extraction Force (kN)		175	0.00	2.74	Must be inline with suspended equip't.
Maximum Penetration Force (kN)		-100	0.00	2.74	-ve Must be inline with suspended equip't.
Maximum Auxillary Force (kN)		27	0.77	2.47	

Main Components - Non-Slewing:

Item		Mass (kg)	Weight (kN)	X - Coordinate	Y - Coordinate	Moment Mx (kNm)	Moment My (kNm)
Lower Works Non-Slewing (undercarriage/tracks etc)	Tracks & Undercarriage	6500	64	0.00	0.00		
				0.00	0.00		
				0.00	0.00		
TOTAL/RESULTANT (with θ=0)		6,500	64	0.00	0.00	0	0
TOTAL RIG MASS		28,749					

Front Foot Pads - Non-Slewing

Description	Bearing Area	Max. Pad Loading	X - Coordinate	Y - Coordinate	Actual Shape	Actual Dimension
	m^2	kN	m	m		
Front Pad 1						
Front Pad 2						
Rear Pad 1						
Rear Pad 2						

Tracks		Slewing		
Track bearing length (m)	3.20	Can the Rig Slew?	**YES**	
Track pad width (m)	0.60			
Distance between centrelines of tracks (m)	2.43			

	Pressure Summary for Platform Design (unfactored)			BRE LOAD CASE (1 or 2)	Eccentricity Index		Winch Forces
MODE	Equiv. Track Length (m)	Equiv. Track Width (m)	Equiv. Uniform Bearing Pressure, q_{eq} (kPa)		Eccentricity index - X direction (sideways)	Eccentricity index - Y direction (forwards/backwards)	Algebraic sum of forces (kN)
Standing	2.47	0.60	124	1	0.43	0.32	0
Travelling	2.47	0.60	124	1	0.43	0.32	0
Handling	2.22	0.60	138	1	0.48	0.36	10
Penetrating	1.13	0.60	149	2	0.88	0.67	-55
Extracting	1.61	0.60	246	2	0.76	0.58	125
Other	Not Used	-	-	0	-	-	0

MODE	ERROR FOR TRACK	ERROR MESSAGES FOR LINE FORCES		
	Zero Pressure	Auxillary Line	Extraction Force	Penetration Force
Standing	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Travelling	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Handling	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Penetrating	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Extracting	Track(s) lifting	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK
Other	None	Auxiliary Line Force OK	Extraction Force OK	Penetration Force OK

MODE	ERROR MESSAGES FOR FOOT PAD FORCES		ERROR MESSAGES FOR FOOT PAD PRESSURES	
	INPUT DATA		OUTPUT DATA	
Standing	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Travelling	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Handling	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Penetrating	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Extracting	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK
Other	Slewing Footpad Forces OK	Non-Slewing Footpad Forces OK	Slewing Foot Pad Pressure OK	Non-Slewing Foot Pad Pressure OK

Note: The disclaimer on the first worksheet applies to all tables in this workbook

FPS

Notes

Handling limited to 10kN (aux. line)
It has been assumed that the rig will rotate.
Not additional feet are fitted

LOLER Inspection Form

Lifting Operations & Lifting Equipment Regulations 1998. Provision & Use of Work Equipment Regulations 1998. Regular Thorough Examination.

Report Number:
KSL0410

Name Of User
High Mead Developments Ltd

Location:
Markham Moor yard, Retford, DN22 0QU

Examination Dates

Last Examination Date

Current Examination Date
17/07/25

Next Examination Date
17/07/26

Description
Tracked rotary bored Piling rig medium duty, MP6001

Serial Number
6001

Make & Model
High Mead Developments Ltd, MP6000 series

Year Of Manufacture
2017

Location
Markham Moor yard, Retford, DN22 0QU

Examination Scheme Number
N/A

Safe Working Load(s)
Main winch swl 75kn, aux winch swl 29kn.

Defects which could cause a danger to persons. Particulars of any repairs, renewals or alterations to rectify those defects and the time within which those defects shall be rectified.
None

Identification of any parts that require rectification.
None

Observations and recommendations (issues relating to health and safety. Any actions stipulated should be suitably and satisfactorily completed).
None



Images

No Image
Images

No Image
Images

No Image
Images

Visit made on behalf of:

Client Name
High Mead Developments Ltd

Address:
Markham Moor yard, Retford, DN22 0QU

Client's Report Notes: (These notes DO NOT form part of Kaymech Solutions Ltd Inspection Report).

LOLER Inspection Form

Date of commencement of inspection and tests:	Date of Report:
17/07/2025	17/07/25

Signature of Engineer



Appendix I COSHH Assessment

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance: Oxygen

Description of Substance: A colourless, odourless compressed gas.
Hazards: Exposure to high concentrations of acetylene can cause irritation, nausea, vomiting, dizziness and drowsiness

Storage Amounts: Acetylene gas is available in cylinders of 47kgs, 19kgs, Acetylene stored on site will be limited due to the necessity to store full and empty cylinders separately and outside of any buildings where possible

Exposure to Eye Risk Rating Medium	Exposure by Ingestion Risk Rating N/A	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating High

Overall Risk Rating = Medium

Persons at Risk: The persons using the substance and others within/close to the working area.

Warning Sign Identification: This substance has been classified by the manufactures as

Oxidising. Gas Under Pressure



NOTE: May cause or intensify fire; oxidizer. Contains gas under pressure; may explode if heated.

First Aid:
Eye Contact: Contact with rapidly expanding gas may cause burns or frostbite
Ingestion: N/A
Inhalation: No known significant effects or critical hazards
Skin Contact: Contact with rapidly expanding gas may cause burns or frostbite

Fire Fighting: Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. If involved in fire, shut off flow immediately if it can be done without risk.

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Face: None
Hand: None
Respiratory: None
Skin: Contact with rapidly expanding gas may cause burns or frostbite



Handling: Keep away from clothing and other combustible materials. Keep reduction valves, valves and fittings free from oil and grease. Do not roll cylinders around

Storage: Store vertically. Store in well-ventilated areas and in lockable gas cages. Protect from sunlight. Store in a well-ventilated place

Spillage: shut off flow immediately if it can be done without risk	**Emergency Telephone Number:** **Group Operations Director. 07917 186 160**

Recommended Control Measures: Contain cylinders in a lockable gas cage.

Users Instructions: Return unused product in original container to supplier

For any further information contact Contract Manager or refer to the Manufacturer's Health and Safety Data sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	Group Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Diesel Fuel Oil

Description of Substance: A liquid fuel amber in colour (or may be dyed red green or blue) used for compression ignition for diesel engines.

Hazards: Prolonged contact to the skin of this oil may induce skin cancer.

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☑	☑	☐	☐	☑	☐	☐

Storage Amounts: Stored on site generally in 205 litre (45 gallon) drums but may be stored in smaller quantities

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating	Exposure by Aspiration Risk Rating
Medium	Medium	Medium	High	High

Overall Risk Rating = Medium

Persons at Risk: The person handling the oil and others around e.g. spillage of oil.

Warning Sign Identification: This substance has been classified by the manufactures as

Flammable, Harmful, Irritant and Dangerous to the Environment.



First Aid:

Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water, keeping the eyelids open. Seek medical advice if any pain or redness develops or persists.

Ingestion: Rinse mouth thoroughly with fresh water and seek medical advice.

Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and wash underlying skin. Wash clothing prior to wearing again. If irritation/redness occurs, seek medical advice.

Aspiration: Should this may occur during vomiting get immediate medical attention

Fire Fighting: In case of a fire only use Foam, Dry Powder, CO^2 extinguishers, Never Use Water

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Face: chemical goggles/specs/adjustable full face visor

Hand: PVC/rubber gloves and gauntlets

Skin: Impervious clothing and boots



Handling and Storage: Delivered to site in bulk or in 205 litre drums. Store in well-ventilated areas and away from heat and sources of ignition. If stored outside a building the drum must be stored on a bunded storage pallet

Spillage: Contain and recover spilled material by using sand or other suitable inert absorbent material. Avoid substance entering water courses/drains etc.	**Emergency Telephone Number**: **Group Operations Director** **07512377369**

Recommended Control Measures: Use suitable decanting equipment. Contain drums in constructed bund, wear PPE at all times during handling. Avoid prolonged inhalation of vapour/mist and always wear PPE

Users Instructions: During decanting, use a hand pump or position drum on a flat surface with a tap connected. Use a funnel.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: 15w40 Diesel Engine Oil	**Manufacturer:** Various

Description of Substance: A highly refined mineral oil amber in colour used in conjunction with diesel engines
Hazards: Prolonged contact to the skin may cause dermatitis. Use of a suitable barrier cream is recommended. Will cause a hazard to health if enters body under pressure

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☑	☐	☐	☐	☑	☐	☐

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating
Medium	Medium	Medium	Medium

Overall Risk Rating = Medium

Persons at Risk: The person using the substance. Slip potential for others if spillages are not cleared

Warning Sign Identification: This substance has been classified by the manufactures as an
Irritant & Hazardous to Aquatic Organisms



First Aid:
Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for at least 15 minutes Seek medical advice if any pain or redness develops or persists
Ingestion: Do not induce vomiting. Wash thoroughly with fresh water and seek medical advice
Inhalation: Remove to fresh air. If any symptoms continue, seek medical advice
Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water
If irritation/redness occurs, seek medical advice.

Fire Fighting: In case of a fire only use Foam, Dry Powder, CO^2 extinguishers, Never Use Water

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Eye: (see face)
Face: Chemical goggles or spectacles
Hand: PVC/rubber gloves
Respiratory: N/A
Skin: Impervious clothing and boots



Handling and Storage: Delivered in various container sizes but smaller quantities are used on site
Avoid contact with the eyes and skin
Wash hands and face before eating, drinking, smoking and using the toilet
Store in a cool and well-ventilated areas away from foods and drinks and water sources

Spillage: Collect minor spillage by absorbent material e.g. spill granules and place in suitable waste receptacle Large concentrations of spillages to be contained in a way to avoid oil reaching drains/waterways etc. Dispose of material at an approved site	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Use suitable decanting equipment, contain drums in constructed bund, wear PPE at all times during handling. Avoid prolonged saturation of oil against the skin

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Hydraulic Oil 46	**Manufacturer: Various**

Description of Substance: Oil product amber in colour used in pressurised hydraulic systems
Hazards: Prolonged contact to the skin may cause dermatitis. Use of a suitable barrier cream is recommended. Will cause a hazard to health if enters body under pressure

Storage Amounts: Normally not stored on site but it is contained in plant hydraulic systems

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☐	☑	☐	☐

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating
Low	Low	Low	Low

Overall Risk Rating = Low

Persons at Risk: The person using the substance

Warning Sign Identification: This substance has been classified by the manufactures as an

Irritant



First Aid:
Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for at least 15 minutes Seek medical advice if any pain or redness develops or persists
Ingestion: Do not induce vomiting. Wash thoroughly with fresh water and seek medical advice
Inhalation: Remove to fresh air. If any symptoms continue, seek medical advice
Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water If irritation/redness occurs, seek medical advice.

Fire Fighting: Not classified as a flammable

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Eye: (see face)
Face: Chemical goggles or spectacles
Hand: PVC/rubber gloves
Skin: Impervious clothing and boots



Handling and Storage: Usually delivered in 205 litre containers but smaller quantities are used on site
Avoid contact with the eyes and skin
Wash hands and face before eating, drinking, smoking and using the toilet
Store in a cool and well-ventilated areas away from foods and drinks and water sources

Spillage: Collect minor spillage by absorbent material e.g. spill granules and place in suitable waste receptacle. Large concentrations of spillages to be contained in a way to avoid oil reaching drains/waterways etc. Dispose of material at an approved site	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Use suitable decanting equipment, contain drums in constructed bund, wear PPE at all times during handling. Avoid prolonged saturation of oil against the skin

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: WD40	**Manufacturer:** WD40 Company Limited
Description of Substance: Aerosol Release Spray	

Exposure to Eye Risk Rating Low	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Low	Exposure by Inhalation Risk Rating High

Overall Risk Rating = Medium

Persons at Risk: The person using the substance.

Hazard Type

☐ Gas	☑ Vapour	☑ Mist	☐ Fume	☐ Dust	☑ Liquid	☐ Solid	☐ Other

Warning Sign Identification: This substance has been classified by the manufactures as an

Flammable



First Aid:

Eye Contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Fire Fighting: Aerosols can be explosive when exposed to high temperatures. In case of a fire use Foam, Dry Powder, CO^2 or water extinguishers

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Eye: Safety goggles or spectacles

Hand: PVC/rubber gloves

Skin: Impervious clothing and boots



Handling and Storage:

USAGE PRECAUTIONS

Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Spillage: Collect minor spillage by absorbent material e.g. rags and place in suitable waste receptacle	**Emergency Telephone Number:** **Group Operations Director** **O7512 377369**

Recommended Control Measures: Wear PPE at all times during handling.

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Sanitizer Gel	**Manufacturer:** ECOLAB
Description of Substance: Instant hand Sanitizer gel	

Hazard Type

☐ Gas ☐ Vapour ☐ Mist ☐ Fume ☐ Dust ☑ Liquid ☐ Solid ☐ Other

Exposure to Eye Risk Rating Medium	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating Medium

Overall Risk Rating = Low

Persons at Risk: The person using the substance

Warning Sign Identification: This substance has been classified by the manufactures as a flammable liquid

Flammable liquid and vapour



First Aid:

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

Ingestion: Do not induce vomiting. Rinse mouth thoroughly with fresh water and seek medical advice if symptoms occur

Inhalation: Remove to fresh air. If any symptoms continue, seek medical advice.

Fire Fighting: Keep away from heat/ sparks/ open flames/ hot surfaces. No smoking. Keep container tightly closed.

Personal Protective Equipment: No specific measures identified

Eye/Face: No special protective equipment required.

Hand: No special protective equipment required.

Respiratory: No special protective equipment required.

Skin: No special protective equipment required.

Handling and Storage:

Store in a well-ventilated place. Keep cool

Spillage: Minor spillages can be washed down the drain Disposal of spilled material at an approved site	**Emergency Telephone Number**: **Group Operations Director** **07917 186 160**

Recommended Control Measures:

Store in a well-ventilated place. Keep cool

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Concrete Pump Primer	**Manufacturer:** Concrete Pumping Products Limited
Description of Substance: A mixture of a lubricant, thickener and a buffer, powder composite and white in colour	

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☑	☐	☐	☐

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating
Medium	Medium	Medium	Medium

Overall Risk Rating = Medium

Persons at Risk: The person using the substance

Warning Sign Identification: This substance has been classified by the manufactures as an

Irritant



First Aid:
Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for at least 15 minutes Seek medical advice if any pain or redness develops or persists
Ingestion: Do not induce vomiting. Rinse mouth thoroughly with fresh water and seek medical advice
Inhalation: Remove to fresh air. If any symptoms continue, seek medical advice
Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water
If irritation/redness occurs, seek medical advice.

Fire Fighting: Not classified as a flammable

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Eye/Face: Chemical goggles or spectacles
Hand: PVC/rubber gloves
Respiratory: Nuisance dust mask
Skin: Impervious clothing and boots



Handling and Storage:
Wear gloves when handling and decanting
Avoid eye and skin contact
Wash hands and face before eating, drinking, smoking and using the toilet
Store in a ambient and well-ventilated area

Spillage: Minor spillages can be washed down the drain Disposal of spilled material at an approved site	**Emergency Telephone Number**: **Group Operations Director** **07917 186 160**

Recommended Control Measures: Contain boxes drums in constructed bund, wear PPE at all times during handling. Avoid prolonged saturation of oil against the skin

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Multi-Purpose Degreaser	**Manufacturer:** Various

Description of Substance: A liquid

Hazard Type

Gas	Vapour	Mist	Fume	Liquid	Dust	Solid	Other
☐	☐	☐	☐	☑	☐	☐	☐

Exposure to Eye Risk Rating Medium	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating Medium

Overall Risk Rating = Medium

Persons at Risk: The person using the substance

Warning Sign Identification: This substance has been classified by the manufactures as an irritant



First Aid:

Eye Contact: Wash immediately with clean water, keeping eyelids apart for at least 15 minutes and seek medical

Skin Contact: Rinse affected areas with clean water, if need apply cold compress to relieve irritation. If symptoms persist seek medical advice.

Ingestion: Drink water to dilute product. DO NOT induce vomiting. Act immediately in order to prevent further irritation of mouth, throat and stomach mucosa. If symptoms persist seek medical advice.

Inhalation: Act immediately move to open air, if irritation is experienced, mouth and throat may be rinsed with water. If irritation or asthma-like symptoms persist, seek medical advice

Fire Fighting: Not classified as a flammable

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Hand: PVC/rubber gloves



Handling and Storage:

Product is not flammable but burning produces irritating, toxic & obnoxious fumes. Carbon oxides. Nitrogen oxides.

Store in a cool dry place

Not a hazard in normal use

No personal protective equipment required, although product contains bleach and could stain clothing /materials.

Spillage: Minor spillages can be washed down the drain Disposal of spilled material at an approved site	**Emergency Telephone Number**: **Group Operations Director** **07917 186 160**

Recommended Control Measures: Avoid prolonged saturation of oil against the skin

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Sprayline Paint	**Manufacturer:** Various
Description of Substance: Marking Spray Paint	

Exposure to Eye	Exposure by Ingestion	Exposure by Skin Contact	Exposure by Inhalation
Risk Rating	Risk Rating	Risk Rating	Risk Rating
Low	Medium	Low	High

Overall Risk Rating = Medium

Persons at Risk: The person using the substance.

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☑	☑	☐	☐	☑	☐	☐

Warning Sign Identification: This substance has been classified by the manufactures as an

Flammable & Irritant



First Aid:

Eye Contact: Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Ingestion: DO NOT INDUCE VOMITING! NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Immediately rinse mouth and drink plenty of water (200-300 ml). Get medical attention.

Inhalation: Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention

Skin Contact: Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.

Fire Fighting: Aerosols can be explosive when exposed to high temperatures. In case of a fire use Foam, Dry Powder, CO^2 or water extinguishers

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Eye: Safety goggles or spectacles

Hand: PVC/rubber gloves

Skin: Impervious clothing and boots

Respiratory Protection: FFP3 Vapour Mask



Handling and Storage:

USAGE PRECAUTIONS Keep away from heat, sparks and open flame. Avoid inhalation of vapours/spray and contact with skin and eyes.

STORAGE PRECAUTIONS Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C.

Spillage: Collect minor spillage by absorbent material e.g. rags and place in suitable waste receptacle	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Wear PPE at all times during handling.

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Prime-a-Pump

Description of Substance: A powder component of odourless fine white powder soluble in water, when mixed with water becomes a paste like mix.

Exposure by Inhalation Risk Rating High	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Medium Exposure to Eye Risk Rating Medium

Overall Risk Rating = High

Persons at Risk: The person(s) using the product and others in the vicinity.

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☑	☑	☐	☐

Warning Sign Identification:
Irritant: Irritating to respiratory system and eyes,
May cause sensitisation by skin contact



Contains Sodium Carbonate

First Aid:
Eye Contact: Immediately and gently irrigate with clean water for at least 15 minutes. Seek medical advice.
Skin: Wash with plenty of water. Remove contaminated clothing.
Ingestion: Rinse out mouth with water and give plenty of water to drink. Do not induce vomiting. Seek medical attention.

Provide eyewash station in the work area

Fire Fighting: Suitable extinguishing media for the surrounding area to be used

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Face: Goggles/specs.
Hand: rubber gloves
Skin: Protective clothing



Handling and Storage: Ambient temperatures and dry conditions, good ventilation. Avoid eye and skin contact Do not eat, drink, smoke within storage area and follow personal hygiene.

Spillage: Sweep up avoiding dust. Wash spill area with plenty of water.	**Emergency Telephone Number:** **Group Operations Director** **07917 186 160**

Recommended Control Measures: Wear suitable clothing and PPE at all times during its use.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: 2 Stroke Engine Oil	**Manufacturer:** Various

Description of Substance: A highly refined mineral oil amber in colour used in conjunction with diesel engines
Hazards: This product is not classified as dangerous according to the Dangerous Substances Directive.Prolonged contact to the skin may cause dermatitis. Use of a suitable barrier cream is recommended. Will cause a hazard to health if enters body under pressure

Hazard Type

☐ Gas	☑ Vapour	☐ Mist	☐ Fume	☐ Dust	☑ Liquid	☐ Solid	☐ Other

Exposure to Eye Risk Rating Medium	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating Medium

Overall Risk Rating = Medium

Persons at Risk: The person using the substance. Slip potential for others if spillages are not cleared

Warning Sign Identification: This substance has been classified by the manufactures as an **Irritant**



First Aid:
INHALATION**:** Move to fresh air. If nose or airways become inflamed seek medical advice.
SKIN CONTACT**:** Wash with plenty of water. Remove contaminated clothing.
EYE CONTACT**:** Wash immediately and gently irrigate with clean water for 15 minutes holding eyelids apart. Seek medical advice.
INGESTION**:** DO NOT induce vomiting. Washout mouth with water. Seek medical advice.

Fire Fighting: In case of a fire only use Foam, Dry Powder, CO^2 extinguishers, Never Use Water

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Eye: (see face)
Face: Chemical goggles or spectacles
Hand: PVC/rubber gloves
Skin: Impervious clothing and boots



Handling and Storage: Delivered in various container sizes but smaller quantities are used on site
Harmful, may cause lung damage if swallowed. Repeated exposure may cause skin dryness and cracking. Moderate hazard. Liquids can release vapours that can readily form flammable mixtures at temperatures at or above the flash point. Non-toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Floors will become slippery; warn others of the dangers present. Exclude sources of ignition and ventilate area well.

Spillage: Non-toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment. Large spills should be bunded with sand or earth. The liquid should be reclaimed directly or in and absorbent medium and then transferred to COSSH bin for disposal. Small spills should be absorbed in a suitable material and transferred to COSSH bin for disposal. Do not allow spillages to enter watercourse or streams.	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Use suitable decanting equipment, contain drums in constructed bund, wear PPE at all times during handling. Avoid prolonged saturation of oil against the skin

Users Instructions: As directed on the containers and Waste disposal : COSHH Bins and via a company approved waste contractor.

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: AdBlue	**Manufacturer:** Various

Description of Substance: A liquid, blue in colour. Reactant for reducing NOx-emissions - Non-Hazardous Substance

Hazard Type

Gas	Vapour	Mist	Fume	Liquid	Dust	Solid	Other
☐	☐	☐	☐	☑	☐	☐	☐

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating
Low	Low	Low	Low

Overall Risk Rating = Low

Persons at Risk: The person using the substance

Warning Sign Identification: This substance has been classified by the manufactures as a Non-Hazardous Substance

First Aid:

Inhalation: No significant health hazards identified
Skin Contact: No significant health hazards identified.
Eye Contact: No significant health hazards identified.
Ingestion: Ingestion of large quantities may cause nausea and diarrhoea.

Fire Fighting: Not classified as a flammable

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Eye/Face: Chemical goggles or spectacles
Hand: PVC/rubber gloves
Skin: Impervious clothing and boots



Handling and Storage:

Wear eye protection when there is a risk of splashing.

Hand protection. Wear protective gloves if prolonged or repeated contact is likely. Protect skin from prolonged contact which could lead to skin irritation.

Hygiene measures. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Respiratory protection. Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment.

Skin and body. Use of protective clothing is good industrial practice

Spillage: Environmental impact : Not classified as environmentally hazardous in accordance with the 'Approved Criteria for Classifying Hazardous Substances [NOHSC (1008)12004 as amended and adapted]. Disposal must be in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.	**Emergency Telephone Number**: **Group Operations Director 07917 186 160**

Recommended Control Measures: Contain boxes drums in constructed bund, wear PPE at all times during handling. Avoid prolonged saturation of oil against the skin

Users Instructions: As directed on the containers

For any further information refer to the Manufacturer's Health and Safety Data Sheet

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Unleaded Petrol

Description of Substance: A liquid fuel amber / pale yellow in colour used for fuel in engines.

Hazards:

Extremely flammable. Explosive mixtures may form at ambient temperatures. May cause irritation in contact with eyes and skin. Harmful if swallowed. Aspiration into the lungs caused by vomiting is harmful and can be fatal. Contains benzene: prolonged or repeated exposure to benzene may cause anaemia and other blood diseases including leukaemia. Classified as a category 2 carcinogen. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Exposure Limits: 8hr TWA Benzene 1ppm MEL Gasoline 900 mg/m3 TLV

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☑	☐	☑	☐	☑	☐	☐

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating
Low	High	Low	High

Overall Risk Rating = High

Persons at Risk: The person handling the petrol and others around e.g. fumes or spillage of petrol

Warning Sign Identification: This substance has been classified by the manufactures as

Extremely Flammable, Harmful, Irritant and Dangerous to the Environment.



First Aid:

Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for 15 minutes, keeping the eyelids open. Seek medical advice if any pain or redness develops or persists.

Ingestion: If this material is swallowed, **DO NOT INDUCE VOMITING**. If unconscious, place in recovery position and protect airway. Seek immediate medical attention.

Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and wash underlying skin. Wash clothing prior to wearing again. If irritation/redness occurs, seek medical advice.

Inhalation: If over exposure occurs, remove to fresh air. Administer artificial respiration if breathing stops. Seek immediate medical attention.

Fire Fighting: In case of a fire only use Foam, Dry Powder, CO^2 extinguishers, Never Use Water

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Face: chemical goggles/specs/adjustable full face visor

Hand: PVC/rubber gloves and gauntlets

Skin: Impervious clothing and boots



Handling and Storage: Delivered to site in 5 litre drums. Store in well-ventilated areas and away from heat and sources of ignition.

Spillage: Contain and recover spilled material by using sand or other suitable inert absorbent material. Avoid substance entering water courses/drains etc.

Emergency Telephone Number:
Group Operations Director
07917 186 160

Recommended Control Measures: Use suitable decanting equipment. Contain drums in constructed bund, wear PPE at all times during handling. Avoid prolonged inhalation of vapour/mist

Users Instructions: During decanting, use a funnel.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Medium

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Ready Mixed concrete

Description of Substance: An odourless grey mixture of water, sand, aggregate and Portland cement with potentially other additives in the mixture.

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☑	☑	☐	☐

Exposure to Eye Risk Rating High	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating Medium

Overall Risk Rating = High

Persons at Risk: The person(s) using the product and others in the vicinity.

Warning Sign Identification:

Irritant: Irritating to respiratory system and skin, Risk of serious damage to the eyes, May cause sensitisation by skin contact



Contains chromium

First Aid:

Eye Contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Maintain an open airway. Seek immediate medical attention.

Inhalation: Get medical attention if symptoms occur.

Skin Contact: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Provide eyewash station in the work area

Fire Fighting: Suitable extinguishing media for the surrounding area to be used

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Face: Goggles/specs.

Hand: Barrier cream, rubber gloves

Skin: Protective Clothing



Handling and Storage: Store between 5 to 25 degrees. Keep in ventilated areas and away from sources of heat. Do not eat, drink, smoke within storage area and follow personal hygiene.

Spillage: Clean up immediately as surface will become slippery. Do not allow the product to enter the drains or water courses	**Emergency Telephone Number:** **Group Operations Director** **07917 186 160**

Recommended Control Measures: Wear suitable clothing and PPE at all times during its use.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

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COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Antifreeze

Description of Substance: A liquid substance reddish-brown or blue in colour used for the avoidance of cooling systems freezing up. This contains Ethylene Glycol which can cause potential kidney damage if swallowed.
Exposure Limits: 8 hr TWA Vapour PPM 60mg/m^3, Particulate ppm 10mg/m^3

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☑	☑	☐	☐	☑	☐	☐

Storage Amounts: Limited amounts are stored on site in 5 or 10 litre plastic containers

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating	Exposure by Aspiration Risk Rating
Medium	Medium	Medium	High	High

Overall Risk Rating = Medium

Persons at Risk: The persons refilling coolant systems and others in close proximity.

Warning Sign Identification: This substance has been classified by the manufactures as

Harmful, Irritant



First Aid:
Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for at least 15 minutes.
Seek medical advice if any pain or redness develops or persists.
Ingestion: Do not induce vomiting rinse mouth thoroughly with fresh water and seek medical advice.
Inhalation: In case of breathing difficulties, remove to fresh air and seek medical attention.
Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and wash underlying skin. Wash clothing prior to wearing again. If irritation/redness occurs, seek medical advice.
Aspiration: If it is believed that this product has entered the lungs possibly during vomiting take the person to hospital for immediate medical care

Fire Fighting: In case of a fire only use Foam, Dry Powder, CO^2 extinguishers, Water.

Personal Protective Equipment: (all protective equipment should conform to a British Standard / CE marking)
Eye: Chemical goggles / specs.
Face: chemical goggles/specs/adjustable full face visor
Hand: PVC/rubber gloves and gauntlets, solvent resistant
Skin: impervious clothing and boots



Handling and Storage: Store in well-ventilated areas and away from heat sources of ignition and not in direct sunlight.

Spillage: Contain and recover spilled material by using sand or other suitable inert absorbent material. Do not discharge substance into water courses, drains, sewers etc.

Emergency Telephone Number:
Group Operations Director
07917 186 160

Recommended Control Measures: Use suitable decanting equipment. Contain drums in constructed bund. Wear PPE at all times during handling. Avoid prolonged inhalation of vapour/mist and always wear PPE

Users Instructions: During decanting, use a hand pump or position drum on a flat surface with a tap connected. Use a funnel if decanting into smaller containers. Applied by spraying, rolling or by a brush. Wash hands and face after using. Do not smoke when applying.

For any further information refer to the Manufacturer's Health and Safety Data Sheet at Head Office.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

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COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance: Propane Gas

Description of Substance: An odorised mixture of hydrocarbons with small amounts of pentanes which has a 'fish-like' smell. Exposure to propane can cause frostbite (cold burns), irritation, nausea, vomiting, dizziness and drowsiness

Storage Amounts: Propane gas is available in cylinders of 47kgs, 19kgs, 18kgs, 11kgs, 9kgs 6kgs and 4kgs. Propane stored on site will be limited due to the necessity to store full and empty cylinders separately and outside of any buildings where possible

Exposure to Eye Risk Rating Medium	Exposure by Ingestion Risk Rating N/A	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating High

Overall Risk Rating = Medium

Persons at Risk: The persons using the substance and others within/close to the working area.

Warning Sign Identification: This substance has been classified by the manufactures as

Extremely Flammable.



NOTE: Propane can become an explosive when mixed with air

First Aid:
Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water, keeping the eyelids open. Seek medical advice. Ingestion: N/A
Inhalation: Seek medical advice
Skin Contact: In the case of cold burns, immediately place affected area in warm water and keep immersed until circulation returns

Fire Fighting: In case of a fire use a Dry Powder fire extinguisher. **Never Use Water or Foam**

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Ear: N/A
Face: chemical goggles/specs/adjustable full face visor
Hand: PVC/rubber gloves and gauntlets
Respiratory: In confined spaces use a respirator
Skin: impervious clothing and boots



Handling: Delivered to site in various sizes in red cylinders. Where applicable use mechanical aids to move cylinders around. Do not roll cylinders around

Storage: Store vertically. Store in well-ventilated areas and in lockable gas cages. Keep propane at least 3m away from other gasses. Keep away from sources of heat, ignition, drains, ducts, sewers and low lying areas as propane is heavier than air

Spillage: Evacuate area and isolate sources of ignition and the gas supply. Disperse vapour clouds with water spray. Avoid substance entering water courses/drains etc. Inform emergency services	**Emergency Telephone Number:** **Group Operations Director** **07917 186 160**

Recommended Control Measures: Always use PPE during handling and use. Contain cylinders in a lockable gas cage. Avoid prolonged inhalation of vapour/mist and always wear PPE

Users Instructions: Cylinder has a left turn thread. Gas lines to be of the braided type. No Smoking during cylinder change over. Safety release valves to be used with the cylinders. Cylinders to be removed from site by the supplier

For any further information contact the Abbey Pynford Contract Manager or refer to the Manufacturer's Health and Safety Data Sheet heal in the Safety Department

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

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COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Mould Oil 65 Concentrate (concrete release agent)

Description of Substance: A liquid oil or emulsion commonly used on plywood, steel shuttering and concrete cube moulds to aid the release of the cured concrete.

Hazards: Exposure of this oil may induce dermatitis, drowsiness, nausea and ultimately unconsciousness. Above 90% mixed hydrocarbons (gas oil), Xn, R40 (which may contain polycyclic aromatic hydrocarbons, known as animal carcinogens).

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☑	☑	☐	☐	☑	☐	☐

Storage Amounts: Limited amounts are stored on site in 5 or 10 litre plastic containers

Exposure to Eye Risk Rating Medium	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Exposure by Inhalation Risk Rating High	Exposure by Aspiration Risk Rating High

Overall Risk Rating = Medium

Persons at Risk: The persons applying the oil and others in close proximity.

Warning Sign Identification: This substance has been classified by the manufactures as

Flammable, Harmful, Irritant



First Aid:

Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for at least 15 minutes.
Seek medical advice if any pain or redness develops or persists.
Ingestion: Do not induce vomiting rinse mouth thoroughly with fresh water and seek medical advice.
Inhalation: In case of breathing difficulties, remove to fresh air and seek medical attention.
Skin Contact: Wash skin thoroughly with soap and water. Remove contaminated clothing and wash underlying skin. Wash clothing prior to wearing again. If irritation/redness occurs, seek medical advice.
Aspiration: If it is believed that this product has entered the lungs possibly during vomiting take the person to hospital for immediate medical care

Fire Fighting: In case of a fire only use Foam, Dry Powder, CO^2 extinguishers, Water.

Personal Protective Equipment: (all protective equipment should conform to a British Standard / CE marking)

Eye: Chemical goggles / specs.
Face: chemical goggles/specs/adjustable full face visor
Hand: PVC/rubber gloves and gauntlets, solvent resistant
Respiratory: fine mist / vapour face mask, or ori-nasal respirator in a confined space
Skin: impervious clothing and boots



Handling and Storage: Store in well-ventilated areas and away from heat sources of ignition and not in direct sunlight.

Spillage: Contain and recover spilled material by using sand or other suitable inert absorbent material. Do not discharge substance into water courses, drains, sewers etc.	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Use suitable decanting equipment. Contain drums in constructed bund. Wear PPE at all times during handling. Avoid prolonged inhalation of vapour/mist and always wear PPE

Users Instructions: During decanting, use a hand pump or position drum on a flat surface with a tap connected. Use a funnel if decanting into smaller containers. Applied by spraying, rolling or by a brush. Wash hands and face after using. Do not smoke when applying.

For any further information refer to the Manufacturer's Health and Safety Data Sheet at Head Office.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Lubricating Lithium Grease	**Manufacturer:** Various

Description of Substance:
Mineral hydrocarbons thickened with Lithium Hydroxy Stearate soap and additives. These products are not considered hazardous as defined by E.C. Legislation but they should be handled in accordance with good standards of industrial hygiene and safety practices. Avoid injecting grease under the skin, this can lead to severe tissue damage.

Storage Amounts: Stored on site in 5 litre containers and used to lubricate casings and plant

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☐	☑	☐	☐

Exposure to Eye Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Exposure by Inhalation Risk Rating
Medium	Medium	Medium	Medium

Overall Risk Rating = Medium

Persons at Risk: The persons using the grease

Warning Sign Identification: This substance has been classified by the manufactures as an

Irritant



First Aid:
Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for at least 15 minutes Seek medical advice if any pain or redness develops or persists
Ingestion: Do not induce vomiting. Wash thoroughly with fresh water and seek medical advice
Inhalation: Remove to fresh air. If any symptoms continue, seek medical advice
Skin Contact: Remove contaminated clothing and wash skin thoroughly with soap and water
If irritation/redness occurs, seek medical advice.

Personal Protective Equipment: (all protective equipment to conform to a British Standard or CE Marking)
Eye: Wear safety goggles if there is risk of eye contact
Hand: PVC, rubber gloves/gauntlet, barrier cream
Respiratory: Provide adequate ventilation
Skin: Regular changes of contaminated clothing. Wash affected areas after contact.



Handling and Storage: Store in clean dry place away from sources of ignition. Protect from extreme temperatures.

Spillage: Contain and recover using absorbent granules or other suitable inert absorbent materials.	**Emergency Telephone Number:** **Group Operations Director** **07917 186 160**

Recommended Control Measures:
Use only in areas required and ensure containment within these areas.

User Instruction: As directed by the manufacturer

For further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

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COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Pump Primer & Concrete Pumping Aid

Description of Substance: An odourless white powder mixture of organic polymer and inorganic salts, soluble in water, when mixed with water becomes a paste like mix.

Exposure by Inhalation Risk Rating	Exposure by Ingestion Risk Rating	Exposure by Skin Contact Risk Rating	Medium Exposure to Eye Risk Rating
High	Medium	Medium	Medium

Overall Risk Rating = High

Persons at Risk: The person(s) using the product and others in the vicinity.

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☑	☑	☐	☐

Warning Sign Identification:
Irritant: Irritating to respiratory system and eyes,
May cause sensitisation by skin contact



Contains Sodium Carbonate

First Aid:
Eye Contact: Immediately and gently irrigate with clean water for at least 15 minutes. Seek medical advice.
Skin: Wash with plenty of water. Remove contaminated clothing.
Ingestion: Rinse out mouth with water and give plenty of water to drink. Do not induce vomiting. Seek medical attention.
Provide eyewash station in the work area

Fire Fighting: Suitable extinguishing media for the surrounding area to be used

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)
Face: Goggles/specs.
Hand: rubber gloves
Skin: Protective clothing



Handling and Storage: Ambient temperatures and dry conditions, good ventilation. Avoid eye and skin contact Do not eat, drink, smoke within storage area and follow personal hygiene.

Spillage: Sweep up avoiding dust. Wash spill area with plenty of water.	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Wear suitable clothing and PPE at all times during its use.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

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COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Concrete remover & Degreaser

Description of Substance: Pale yellow liquid. – Use the product neat, do not dilute or mix with other products. Apply with a low pressure sprayer.

Exposure by Inhalation Risk Rating Medium	Exposure by Ingestion Risk Rating Medium	Exposure by Skin Contact Risk Rating Medium	Medium Exposure to Eye Risk Rating Medium

Overall Risk Rating = Medium

Persons at Risk: The person(s) using the product and others in the vicinity. Toxic fumes may be released.

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☐	☑	☐	☐

Warning Sign Identification: This substance has been classified by the manufactures as an

Corrosive Causes Burns



First Aid:

Eye Contact: Immediately and gently irrigate with clean water for at least 15 minutes. Remove contact lenses if worn. Seek medical advice.

Skin: Wash with plenty of water. Remove contaminated clothing.

Ingestion: Rinse out mouth with water and give plenty of water to drink. Do not induce vomiting. Seek medical attention. **Provide eyewash station in the work area**

Fire Fighting: Water spray. Dry powder. Foam. Carbon dioxide.

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Face: Goggles/specs.

Hand: rubber gloves

Skin: Protective clothing



Handling and Storage: Store locked up. Store in a well-ventilated place. Keep cool. Always carry out a test first. Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray.

Ambient temperatures and dry conditions, avoid applying during heavy rain or in very hot weather. Air temperature between 5°C and 30°C.

Spillage: Take up liquid spill into absorbent material.	**Emergency Telephone Number: Group Operations Director 07917 186 160**

Recommended Control Measures: Wear suitable clothing and PPE at all times during its use.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk = Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

COSHH ASSESSMENT

Control of Substances Hazardous to Health Regulations

Substance/Trade Name: Portland Cement

Description of Substance: Grey powder used in various grout and concrete products

Hazard Type

Gas	Vapour	Mist	Fume	Dust	Liquid	Solid	Other
☐	☐	☐	☐	☑	☑	☐	☐

Exposure to Eye	Exposure by Ingestion	Exposure by Skin Contact	Exposure by Inhalation
Risk Rating	Risk Rating	Risk Rating	Risk Rating
High	Low	Medium	Medium

Overall Risk Rating = Medium

Persons at Risk: The person(s) using the product and others in the vicinity.

Warning Sign Identification:

Irritant: irritating to eyes, respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact. Contains soluble chromium (VI) controlled by the addition of a reducing agent to no more than 2ppm by dry weight of cement when mixed with water, for a period of 12 months from the date of manufacture shown on this package under the stipulated storage conditions. Use of this product after the end of this period or under different storage conditions may increase the risk of an allergic reaction. PPE must still be worn.



First Aid:

Eye Contact: Wash eye(s) thoroughly with copious amounts of clean fresh water for 10 minutes, keeping the eyelids open. Seek medical advice immediately.

Ingestion: Do not induce vomiting. Wash out mouth fresh water and seek medical advice. If conscious give milk or water to drink.

Inhalation: Remove to fresh air if and keep warm, seek medical advice. Do not give mouth to mouth to an unconscious person

Skin Contact: Clean off with fresh water or a proprietary skin cleaner. Do not use solvents or thinners.

Provide eyewash station in the work area

Fire Fighting: Water mist spray, foam, dry powder and CO^2. Do not use a water jet. Cements are non-combustible and non-explosive and will not facilitate nor support combustion of other materials. Cement poses no fire-related hazards. No need for specialist protective equipment for fire fighters.

Personal Protective Equipment: (all protective equipment should conform to a British Standard or CE marking)

Face: Goggles/specs.

Hand: Barrier cream, rubber gloves

Skin: Protective overalls

Respiratory Protection: FFP3 Nr D Fine Dust Mask



Handling and Storage: Store between 5 to 25 degrees. Keep in ventilated areas and away from sources of heat. Do not eat, drink, smoke within storage area and follow personal hygiene.

Spillage: Clean up immediately as surface will become slippery. Do not allow the product to enter the drains or water courses

Emergency Telephone Number:
Group Operations Director
07917 186 160

Recommended Control Measures: Wear suitable clothing and PPE at all times during its use.

For any further information refer to the Manufacturer's Health and Safety Data Sheet.

Residual Risk Low

Assessment By:	Position:	Signed:
Alan Turner	MPL Operations Director	[redacted]

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Appendix J Risk Assessment

Franki Foundations | Martello Piling | Able Piling | High Mead Developments

GROUP RISK ASSESSMENT

Activity	Working in Hot Weather	RA Number	RA. No 90
Doc ref	05.11. No. 90. Risk Assessment Working in Hot Weather		
Author	Jamie Collett, ICE Risk Management, Approval by Alan Turner, Operations Director		
Assessment Date	11-Jul-2025	Revision No	001
Operative Approval		Date	
Equipment	N/A	Substances	N/A

Likelihood	Severity – What Type of Injury Could Occur? L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
L=1 Unlikely	Insignificant 1	Low 2	Medium 3
M=2 Likely	Low 2	Medium 4	High 6
H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R

Working in Hot Weather	All Employees and Operatives	3	3	9	• Open windows where applicable, to prevent hot air from circulating within office areas.
					• Close blinds/shutters to shade work/office areas.
					• Where applicable, work away from direct sunlight and heat sources.
					• Where applicable, use air conditioning/fans to cool office/work areas.
					• The weather to be monitored to identify any breaks in the hot weather to minimise the time spent in hot conditions.
					• Operatives to take regular breaks, ideally in shady areas, if working in hot conditions.
					• When taking breaks, PPE to be removed within welfare areas and safe routes/zones to aid in cooling down.
					• Ensure employees/operatives take on cool fluids regularly and in small amounts to keep themselves hydrated.
					• On projects operatives to be informed of the importance of applying a high factor sunscreen, at least SPF 15.
					• Where provided, sun creams are to be used and guidelines on usage is to be followed.
					• On projects, operatives to be informed of the suitable drinking water which can be obtained from the Principal Contractors facilities.
					• On projects, encourage operatives to check their skin regularly for any unusual spots or moles that change size, shape or colour and seek medical attention form their GP if any changes are found.
					• If employees/operatives feel unwell, with the below symptoms, they may have heat stress and they are to rest in shady areas, take on liquids and inform site management or first aiders:
					• Inability to Concentrate
					  ○ Muscle Cramps
					  ○ Heat Rash
					  ○ Severe Thirst
					  ○ Fatigue, Dizziness, Nausea, Headache, Moist Skin
					  ○ Hot Dry Skin, Confusion, Convulsions
						3	1	3

PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Public Interface	RA Number	RA. No 01	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11.. No 01 Risk Assessment Public interface			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Russell Hamer, Operative	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Member of the public or third party entering the work place. Potential physical injury	Public, 3rd Parties working near and site personnel	2	1	2	Ensure that all the construction area is secure when not in use. Report any unauthorised access. Ensure co-operation with others sharing the workplace. Ensure good communication between all parties comply with agreed section 61 (if applicable) All Operatives to be briefed on site specific arrangements prior to undertaking any activity. Use modern silenced plant Traffic Marshall to ensure entrance is clear of pedestrians before vehicles are directed in and/or out of site.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Contact with Leptospirosis	RA Number	RA. No 02	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 01 Risk Assessment Public interface			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	James Reynolds, Operative	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Cuts to Skin and general hygiene leading to contamination through mouth and or broken skin	All site personnel	3	1	3	Gloves to be worn at all times during work. Good Hygiene practices. New gloves to be issued on any signs of existing gloves being damaged	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Manual Handling	RA Number	RA. No 03	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 03 Risk Assessment Manual Handling			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Injury or strains to Operatives	All personnel	2	2	4	Carry out assessment for awkward lifts. This will generally mean over 25Kg – do not exceed personnel ability Use mechanical means where possible Operatives to wear suitable gloves; Team lifts where possible Assess load prior to lifting, protect sharp edges wherever possible	2	1	2

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Use of small Tools	RA Number	RA. No 04	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 04 Risk Assessment Use of Small Tools			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Impact cut & crush injuries Injury to Operatives	All personnel	1	3	3	Use the correct tool for the job ensuring they are in good working order. Use correct gloves. Ensure good lighting and correct training has been provided	1	1	1

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Poor Lighting	RA Number	RA. No 05	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 04 Risk Assessment Poor Lighting			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Jason Melton, Contracts Manager	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Unable to undertake works in a safe environment leading to injury Slips, trips and falls	All personnel	2	1	2	Ensure adequate general lighting Ensure task lighting sufficient and suitable for task. Ensure Access/Egress is well lit	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Accessing loads on vehicles	RA Number	RA. No 06	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 06 Risk Assessment Accessing loads on vehicles			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Grant Calderbank, Operative	Revision No	016	M=2	Low	Medium	High
Assessment Date	26-Feb-2025			Likely	2	4	6
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Falls from height when accessing the load beds of the vehicles (personnel are to remember "three points of contact at all times"), Items falling from height	All personnel	2	2	4	Use other means of loading and unloading if possible Pre slung loads Load / unload with Crane Lorries to have handrails /fall protection in place if access is required Appropriate load restraints to be used on all vehicles where needed applicable vehicles.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Welding	RA Number	RA. No 07	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11.08. No 06 Risk Assessment Welding			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	017	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26- Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Fire Metal burns Arc eye Welding Fumes	All personnel	2	2	4	Welder to be competent. Suitable PPE to be worn, work area to be established, no combustible materials. Competent Welder – check experience &/or Coded if required. Screening & Ventilation Hot works permit to be used issued my Main Contractor Fire extinguisher at hand at all times Mild Steel Welding RPE to be used. Air fed mask to be used at all times.	2	1	2

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Walking on site	RA Number	RA. No 08	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 08 Group Risk Assessment Walking on site			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Grant Calderbank, Operative	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Slips, Trips and Falls Possible injury to occupants on site	All personnel	2	2	4	Daily Activity Briefings Good housekeeping to be maintained on site and public access routes to the outside areas of site. Maintain clear access routes – clear away any build-up of all rubbish, materials, cables and hoses to prevent obstructions Access routes to be kept clear. Only use designated access routes	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Moving Vehicles	RA Number	RA. No 09	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 09 Risk Assessment Moving Vehicles			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Potential for persons or property to be struck by moving vehicle Physical Injury / death.	All personnel	3	1	3	When on construction site vehicles only to be moved under the guidance of trained vehicle marshal and to be FORS accredited. Vehicle marshal to stop works when vehicle/pedestrian is passing. Vehicle movements (all directions, driving forward, turning and parking) need to be made obvious and clear to all with the assistance of reversing Claxon/ flashing hazard beacons Provide adequate access with good visibility. All operatives to wear hi-viz vests or jackets. Lorry movements to be co-ordinated with the adjacent area Full hi vis, trousers and long sleeve vets.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Fire	RA Number	RA. No 10	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 10 Risk Assessment Fire			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Possible or potential death, multiple fatalities	All personnel	3	1	3	No smoking to be allowed on site (except for designated smoking areas). Site fire plan to be followed.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working outside	RA Number	RA. No 11	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 11 Risk Assessment Working outside			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Cold Weather Hypothermia	All personnel	2	1	2	Correct PPE to be issued (waterproof/insulated jackets/ suitable gloves/thermal underwear)	2	1	2
PPE summary:								

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GROUP RISK MANAGEMENT

					Severity – What Type of Injury Could Occur?		
Activity	Storage and use of gases	RA Number	RA. No 12	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 12 Risk Assessment Storage and use of gases			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Explosion	All personnel	3	1	3	Gas and oxygen bottles to be stored separately in cages, suitably signed locked cages to prevent unauthorised access. Bottles to be removed from site each night.	3	1	1
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Use of power tools Failure of equipment	RA Number	RA. No 13	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 13 Risk Assessment Use of power tools Failure of equipment Vibration			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Electrocution Hand Arm Vibration (HAVS) Misuse of equipment leading to injury	All personnel	2	2	4	All equipment PAT tested Battery tools Tools to have trigger time labels, and usage to be limited. Correct PPE to be worn. Training to be provided. Monitored on Doc; 4.05.92 hand arm vibration safety chart	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Traffic – Vehicle coming into contact with the worksite	RA Number	RA. No 14	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 14 Risk Assessment Traffic – Vehicle coming into contact with the worksite			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating			Controls	Residual Risk Rating		
		S	x L	= R		S	x L	= R
Major Injury/Death	All personnel	2	2	4	The perimeter of the site closed to the public – MPL Supervisor will liaise with Main Contractor. Traffic Management installed and maintained by contractor chapter 8/ NRSWA compliant	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	PPE – Not adequately maintained	RA Number	RA. No 15	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 15 Risk Assessment PPE – Not adequately maintained			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Poorly maintained, or old PPE could render the levels of protection afforded reduced or useless	All personnel	2	2	4	Check & replace as required	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Rigs and crane failure due to mechanical or operator error	RA Number	RA. No 16	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11.19. No 16 Risk Assessment Rigs and crane failure due to mechanical or operator error			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Russell Hamer & James Reynolds, Operatives	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Heavy loads falling, leading to injury, fatalities or damage. The risk to public is exacerbated when working adjacent to hoarding. Fatality is possible, Major injury is likely	All personnel	3	2	6	Drivers to be trained and qualified. Equipment to be checked and certified every 12 months. Daily checks of piling rigs and crane no slewing outside of site boundary.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

				Likelihood	Severity – What Type of Injury Could Occur?		
					L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Activity	Working at height	RA Number	RA. No 17	L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Doc ref	05.11. No 17 Risk Assessment Working at height						
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Major injury is possible as is fatality	All personnel	3	2	6	Wherever possible all deliveries to site should come pre-slung Use of “C” shaped barriers if possible when working around open bores. Casings should be left at least 1m above ground to provide edge protection to open bores. Do not jump off of a transport bed or trailer; either walk down ramps or hold onto side of bed while dismounting whilst facing the bed. No matter what type of access system the vehicle has available, use the 3-point rule to significantly reduce the chance of slips or falls. Always make sure that three of your four points are in contact with the vehicle at all times-two hands and one foot, or two feet and one hand. Only access vehicle if it has appropriate proprietary edge protection.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Operation of rig and cranes – general	RA Number	RA. No 18	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 18 Risk Assessment Operation of rig and cranes – general			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Russel Hamer & James Reynolds, Operatives	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Crushing due to pinch points occurring through tail swing	All personnel	3	2	6	Nominate rig/ crane attendant. Rig/ crane attendant to supervise the movement of the rig. If possible then erect barriers to prevent unauthorised access around rear of plant. (600mm minimum clearance required) Plant exclusion zones no access unless machine is isolated.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Lifting Equipment and accessories	RA Number	RA. No 19	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 19 Risk Assessment Lifting Equipment and accessories			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Jason Melton, Contracts Manager	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Failure of Lifting Equipment or accessories could have potentially fatal results	All personnel	3	2	6	Lift Plan for project to be prepared taking into consideration working area & equipment available. CPCS AP to sign off. Include lift plan to be briefed. Ensure working area is clear of operatives or third parties. Piling rig attendant/ slinger/ signaller working area to be clear of obstructions. Lift plan to be reviewed to reflect changing conditions. 6 monthly inspections must be valid & visual checks prior to use. LOLER register to be completed weekly by a competent person	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Maintenance of plant & machines	RA Number	RA. No 20	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 20 Risk Assessment Maintenance of plant & machines			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	017	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Catastrophic failure of machines could cause major injury or even fatality	All personnel	3	2	6	Daily inspections to be carried out by machine operators. Regular servicing & checking of critical components to be undertaken. Any defects to be reported to the plant department immediately	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Striking Buried & Above Ground Services	RA Number	RA. No 21	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 21 Risk Assessment Striking Buried & Above Ground Services			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Electrocution Gas Strike	All personnel	3	1	3	Obtain permit to work or Permit to Dig. Use insulated tooling BEFORE starting work. Main Contractor to identify any relevant exclusion zones relating to services.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Rotating machinery & pinch points	RA Number	RA. No 22	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 22 Risk Assessment Rotating machinery & pinch points			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Major injury or fatality is possible particular risks are crush &/ or amputation	All personnel	3	2	6	Rig/ crane attendant is responsible for maintaining an exclusion zone around the machine. This should include the slew arc of the auger. Barriers must be erected if any pinch points exist which are less than 600mm Rig/ crane attendant should stop all works BEFORE starting maintenance work and ensure equipment is isolated.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Splicing cages	RA Number	RA. No 23	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 23 Risk Assessment Splicing cages			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Splicing over bore, trapping fingers or dropping sections of cage	All personnel	2	2	4	Ensure continuity of connections by marking bars. Connections to be designed. Task briefing for this specific operation. No hands to be put inside the cage during splicing operations. Spreader beams to be used on larger cages –Podium steps must be used when splicing longer cages. cage bars colour coded when using couplers	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Casing Extraction	RA Number	RA. No 24	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 24 Risk Assessment Casing Extraction			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Robert Cappi, Operative	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Overloading of attendant machine	All personnel	2	2	4	Do not exceed SWL - use hydraulic cranes Consideration also needs to be given to ropes, lifting accessories & casing lifting eyes the SWL should be the highest figure Move crane closer to pile, if this cannot be done then stop work & seek advice.	2	1	1
Moving Plant – Crush Injuries	All personnel	3	1	3	Concrete trucks to be under direction of banksman. Radio contact between banksmen and operators for emergency stopping. All none essential personnel to be kept out of area with exclusion zone Rigs may only track and move under strict supervision of banksman. All other operatives are excluded from the area when rigs are tracking Minimum 600mm distance to be maintained between rigs with a physical barrier. Under no circumstances is the banksman to stand between the rigs when either rig is moving	3	1	3
Use of heavy plant (Excavators, piling rig, telehandler)	All personnel	3	1	3	Inspect plant before use All plant movements to be controlled by a qualified banksman. Lift plans to be produced if carrying out lifting duties.	3	1	3
Slipping, Stumbling & Falling	All personnel	2	2	4	Keep working area tidy Materials to be stacked neatly Use designated access routes	2	1	2
Lifting	All personnel	3	2	6	Lift Plans to be adhered too All lifting equipment to be checked and certified before use on site. All lifting equipment to be checked daily before shift. Personnel to stand clear during lifting, never walk under suspended loads	3	1	3

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Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Pinches & traps of hands	All personnel	2	2	4	Avoid placing hands between two items. Tag lines to be used to control movements rather than manoeuvring by hand. (No loops to be used on tag lines) Correct PPE to be used,	2	1	2
Manual Handling	All personnel	2	2	4	Assess weight of load. Use Mechanical means whenever possible. Split load if possible. Share loads. Lift with care ensuring straight back, bent knees and good grip. Manual handling assessment to be completed	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Disc Cutting	RA Number	RA. No 25	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 25 Risk Assessment Disc Cutting			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	017	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Misuse of equipment leading to injury	All personnel	2	2	4	Personnel to be trained and certificated. Refer to TBT 1 for appropriate controls. Proper PPE to be worn. BSNE 397, BSNE 345, BSNE 471, BSNE 420, BSNE 352-1, impact goggles and BSNE 166-1F	2	1	2
Hot works		3	3	9	Hot works procedures shall be followed. A hot works permit shall be in place before works are undertaken. Suitable fire extinguishers shall be within the work area. There shall be one or two extinguishers within the work area as requested by the Principal Contractor. No combustible materials shall be within the work area.	3	1	3
PPE summary:								

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					Severity – What Type of Injury Could Occur?		
Activity	Hazardous Materials	RA Number	RA. No 26	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 26 Risk Assessment Hazardous Materials			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Exposure could lead to a health hazard leading to injury	All personnel	3	1	3	Ensure COSHH assessments on site and relevant PPE is provided. Refer to SSP 04. Store COSHH materials correctly and securely Dispose of COSHH materials in the bins provided Adhere to the PPE requested in the data sheets	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Noise	RA Number	RA. No 27	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 27 Risk Assessment Hazardous Materials			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Excessive noise in the workplace could cause hearing loss to employees; Environmental nuisance	All personnel	2	2	4	Hearing protection to be provided as per noise assessment for machine & usage to be monitored. Operatives to be briefed on use of hearing protection. Use modern silenced plant Keep plant well maintained Spinning the auger off in spoil to minimise clanging of digging tool.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Spoil Heaps	RA Number	RA. No 28	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 28 Risk Assessment Spoil Heaps			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Spoil heaps may become unstable especially if items are placed on them	All personnel	2	2	4	Spoil heaps should be kept to a minimum height – no higher than hoarding. Items of equipment should not be placed on top or on side slopes of spoil heaps. If spoil is to be used for changing tools then they should be screwed into the spoil.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Load falling onto 3rd party during lift.	RA Number	RA. No 29	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 29 Risk Assessment Load falling onto 3rd party during lift			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Major injury, fatality possible	All personnel	3	2	6	Slewing area beneath crane/load to be kept clear during lift. Piling area to be isolated using barriers and signs. Only authorised people to enter the piling area with the knowledge and consent of the Foreman. Lift to be halted if unauthorised personnel access the area. CPCS trained & competent operatives. Certificated lifting accessories. Visual inspection of lifting accessories prior to lift. Adhere to lift plan.	3	1	3

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Lifting and placing of Permanent reinforcement	RA Number	RA. No 30	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11.33. No 30 Risk Assessment Lifting and placing of Permanent reinforcement			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Load dropped causing damage. Fatality is improbable but major injury could occur possible	All personnel	3	2	6	Cage to be lifted at marked lifting points only. Designated lifting points to be shown on cage fabrication drawing. Loads only to be slung by a competent slinger/signaller. Cage to be checked prior to lift. Operatives do not have to work from height to sling the cages	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Steep and unstable ramps due to poor design or construction if applicable	RA Number	RA. No 31	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 31 Risk Assessment Steep and unstable ramps due to poor design or construction			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	James Reynolds, Operative	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Rig falling over. Normally results in injury, but in rare cases could result in fatalities	All personnel	3	2	6	Ramp not to be steeper than 1:10. Design access ramp as well as platform. Platform certificate to be signed by PC Gradient and condition of rams to be checked by operator and supervisor before access	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Transfer of mud and waste onto public roads and pavements	RA Number	RA. No 32	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 32 Risk Assessment Transfer of mud and waste onto public roads and pavements			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Third party accidents and complaints	All personnel	2	2	4	Use the wheel wash facilities provided as detailed within the MPL traffic management plan. Traffic Marshal to ensure muck lorries do not leave site with mud on tyres	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Inadequate access for vehicles	RA Number	RA. No 33	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 33 Risk Assessment Inadequate access for vehicles			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Loads falling/slipping causing injury. Vehicle movement adjacent to members of the public. Operatives working in live traffic.	All personnel	3	2	6	Vehicles to be unloaded inside of site hoarding or within appropriate traffic management. Operatives to be instructed not to work in live traffic ways without TM in place.	2	1	2
PPE summary:								

GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Inadequate access & segregation for workforce	RA Number	RA. No 34	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 34 Risk Assessment Inadequate access & segregation for workforce/staff			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Workforce being struck by site traffic. This is unlikely to result in death, but major injury is possible Operatives working in live traffic.	All personnel	2	2	4	Segregated walkways across site to the area of work, checked daily. Ensure walkway routes are clearly marked and included as part of the induction as appropriate. Exclusion zones to be set up around all work areas Monitor vehicle speeds visually	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Unstable platform due to poor design or construction	RA Number	RA. No 35	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 35 Risk Assessment Unstable platform due to poor design or construction			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Russell Hamer, Operative	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating			Controls	Residual Risk Rating		
		S	x L	= R		S	x L	= R
Rig falling over. Normally this results in injury, but in rare cases could result in fatalities	All personnel	3	2	6	Platform to be designed to carry bearing pressure. Platform certificate to be signed to confirm suitability . FPS inspection sheet to be used weekly by Supervisor to monitor state of platform Monitor replacement of any excavations in platform. New permit to work required following reinstatement. Limit of platform to be delineated	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Unauthorised access	RA Number	RA. No 36	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 36 Risk Assessment Unauthorised access			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Workers or visitors not familiar with risks could suffer injury	All personnel	3	1	3	Fences maintained, signage erected. Tidy areas, locked stores. No personnel permitted onto site unless inducted or accompanied. Security at site entrance	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Storage Areas	RA Number	RA. No 37	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 37 Risk Assessment Storage Areas			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Items may become unstable and fall. Items may be stored in non-designated areas blocking fire escapes and causing trip hazards	All personnel	2	2	4	Designated storage areas to be kept clear and tidy. Areas to be checked regularly by site supervisors. Access routes to be kept clear	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Bulk delivery of fuels & storage of fuel	RA Number	RA. No 38	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 38 Risk Assessment Bulk delivery of fuels & storage of fuel			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
There is an increased risk of environmental incident during bulk delivery due to the increased volume of potentially polluting substances	All personnel	2	2	4	Pump & double bunded tank. MPL personnel to supervise delivery. Fuel to be stored in double bunded bowser with drip tray underneath. Bowsers to be kept locked whenever not in use. Bowser to be sited in a 'safe' location wherever possible to avoid accidental damage. Spill kits to be made available.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Placing Concrete	RA Number	RA. No 39	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11.No 39 Risk Assessment Placing Concrete			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Concrete splashes, concrete burns, damage to 3rd party plant/ property	All personnel	2	2	4	Suitable eye protection and gloves to be worn. Long trousers and sleeves to be worn Change clothing should it become soaked in concrete, avoid contact if possible. If concrete splashes cover adjacent 3rd party plant or property, inform foreman and clean off with Jetwash if possible.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Low pile cut off levels	RA Number	RA. No 40	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 40 Risk Assessment Low pile cut off levels			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Deep holes in platform causing injury and collapse of plant and machinery	All personnel	3	2	6	First use fences or bore covers to guard against falling Backfill as soon as possible Ensure backfill is suitable and properly compacted	2	1	2
PPE summary:								

GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Concrete Pumping	RA Number	RA. No 41	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 41 Risk Assessment Concrete Pumping			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Concrete hose burst – Potential damage to plant/equipment or injury to personnel	All personnel	3	2	6	Concrete pumping must be carried out in accordance with the Method statement. Whip checks fitted on all rubber hoses Only trained and competent persons will be permitted to operate the concrete pump. Ensure split pins are fitted all joint connections Cross over ramps must be used for vehicle access across the hose.	2	1	2
Insufficient cleaning of plant/equipment/ 3rd party property/ permanent works leading to damage		2	2	4	A water supply must be available in the vicinity of the concrete pump or a 2000L towable water bowser with 2” delivery line made available. The concrete pump must be cleaned out at the end of each shift or if there is a break in concreting.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Blowing Out	RA Number	RA. No 42	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 42 Risk Assessment Blowing Out of concrete hoses			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Injury to Personnel	All personnel	3	2	6	Only trained and competent personnel to carry out the blowing out operation. All blowing out must be in accordance with the “Blowing out with air” procedure. Ensure the correct capacity compressor is being used for the length of delivery hose used. Alternatively split the hose into shorter sections. Always use the blow out chambers to catch the concrete dispersed	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Use of Telescopic Handler - FLT	RA Number	RA. No 43	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 43 Risk Assessment Use of Telescopic Handler -FLT			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Andrew Priestley, Site Supervisor	Revision No	017	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Injury following unauthorised use of FLT	FLT operators, Other operatives, Management, Official visitors	3	3	9	All plant operators have been assessed as competent and hold a current CPCS card relevant to the plant item being operated. All plant will be inspected prior to use. The inspection will be recorded and documentation will be made available for inspection at all times. Regular checks by the operator take place and general maintenance carried out as per manufacturers specification. Telehandler/FLT operators must remove keys when the FLT is not in use.	3	1	3
Collision with person, other vehicle or object	FLT operators, Other operatives, Management, Official visitors	3	3	9	Telehandler/FLT is fitted with audible reversing warning alarm. When not in use the telehandler must be isolated (brake applied, engine off and key removed). A competent person (trained banksman) will be in attendance to supervise all telehandler movements on site to avoid collisions and to provide warning to personnel working in the area. Banksmen will be clearly visible in Hi viz jackets FLT working area is contained at one end of the factory floor, away from other factory workers. All pedestrian walk areas are painted onto the shop floor to separate people from moving plant. FLT working area is large enough to accommodate safe operation of the FLT. FLT operators must remove keys when the FLT is not in use. When site working in the vicinity of and servicing the piling rigs and crane exclusion zones will be in place around all plant the barriers will be removed and the plant will be halted to allow the tele-handler to work under the banksman's instruction	3	1	3
Lifting operations, overreaching and/or overloading of telehandler. Risks are of personal injury to operators/ banksmen, third parties		2	3	6	SWL not to be exceeded, safe load indicator displayed in cab must be set daily. All loads will be carried/ transported/ weighed at low level. Approximately 300mm above ground level. All loads to be secured correctly	2	1	2

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Uneven /soft ground overturning Telehandler. Risks are of personal injury to operators/ banksmen, third parties	FLT operators, Other operatives, Management, Official visitors	2	3	6	Telehandler is certified as an all terrain vehicle . Telehandler will only lift on ground and will not be used when the angle is greater than 5 degrees through its own axle. Telehandler must not travel on slopes greater than 30 degrees. All Loads will be carried /transported /weighted at low level. Approximately 300mm above ground The FLT working area surface is even and solid, providing a stable work area. No loads to exceed specified maximum load carrying capacity. All loads to be secured correctly. All drivers must wear a seatbelt when operating the FLT.	2	1	2
Person falling from FLT	FLT operators, Other operatives, Management, Official visitors	2	3	6	All drivers must wear a seatbelt when operating the FLT. No operators to ride on the fork lift truck when it is in operation.	2	1	2
Person walking into forks	FLT operators, Other operatives, Management, Official visitors	2	3	6	Drivers must lower forks to the floor when the FLT is not in use. FLT working area is contained at one end of the factory floor, away from other factory workers. Drivers must not park the FLT unattended in a pedestrian area.	2	1	2
Eye and respiratory irritation from vehicle exhaust fumes	FLT operators, Other operatives, Management, Official visitors	2	2	4	Only 1 FLT in operation, reducing exposure and preventing build up of fumes. Drivers must not leave engines running in the factory when FLT is not in operation. Warehouse roller shutter doors are left open where practicable to assist with ventilation.	2	1	2
Injury arising from machine failures	FLT operators, Other operatives, Management, Official visitors	2	2	4	Ensure visual and operational daily checks are carried out by the operator to verify safe operation of the FLT. Thorough examination to be carried out by a competent service provider annually to meet legal requirements.	2	1	2
Hazardous substances, diesel. Risks are of personal injury to operators/ banksmen, third parties	FLT operators, Other operatives, Management, Official visitors	2	1	2	All plant vehicles will carry a spill kit. Operators to receive a brief on the attached COSHH assessment (HSQ19 - COSHH Diesel - Gas Oil).	2	1	1

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Use of pressure washer	RA Number	RA. No 47	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 47 Risk Assessment Use of pressure washer			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
There could be bodily injury through loose fittings or lack of grip. A chemical hazard if used either to skin or respiritol Electric shock Burns from hot surfaces, steam, water or liquid content Spillages of fuel, chemicals or water will cause slippery surfaces Cables and water pipes could be a tripping hazard.	All personnel	2	2	4	Good housekeeping - keep cleaning area clear of all non essential items. Ensure that the operator is competent and authorised to use. Regular checks by the operator take place to ensure it is fit for purpose	2	1	2

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working close to a retained facade	RA Number	RA. No 52	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 52 Risk Assessment Working close to a retained facade			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Potential for Rig operator to strike the Facade during mobilisation to pile position	All personnel	2	2	4	Rigs only to be moved under the guidance of nominated banksman.	2	1	2
Potential for persons or property to be struck by falling debris is the façade is hit. Potential for crush injuries in tight areas	All personnel	3	2	6	Demarcation barrier s and exclusion Zones will be erected preventing non Piling personnel from accessing the Piling area.	3	1	3
Rig Striking Façade during Slewing Operations	All personnel	2	2	4	Once the rig is set up on a Pile Position the rig will carry out a “Trial Slew” under the strict guidance of the Banksman ensuring a clear distance is maintained between the rig and any obstacle. Where possible use slew Restrictors.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working under Temporary Flying Shores	RA Number	RA. No 53	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 53 Risk Assessment Working under Temporary Flying Shores			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Potential for Rig operator to strike the flying shores during piling operation. Potential for crush injuries	All personnel	3	2	6	Rigs only to be moved under the guidance of nominated banksman. Once the rig is set up on a Pile Position the rig will carry out a "Trial Slew" under the strict guidance of the Banksman ensuring a clear distance is maintained between the rig and any obstacle.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working near overhead cables	RA Number	RA. No 56	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 56 Risk Assessment Working near overhead cables			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Death, burns or serious injury due to contact with live electrical cables	All personnel	3	2	6	Site is to be assessed to ensure work can be carried out safely. Plant access authorization (overhead cables) to be issued prior to working. Plant to be slew restricted if traveling or working beside the overhead cable Goal posts to be set up to demarcate restriction area. GS6 (site specific) to be followed at all times	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working alone unsupervised	RA Number	RA. No 57	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 57 Risk Assessment Working alone unsupervised			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Injury going un-noticed for long period	All personnel	3	1	1	Personal emergency alarm to be carried by operative at all times Hourly checks to be made by MPL supervisor from remote location	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Use of Ladders on site	RA Number	RA. No 61	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 61 Risk Assessment Use of Ladders on site			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Fall from height leading to serious injury or death	All personnel	3	2	6	Use only as last means of access, consider alternative means Three points of contact at all times Ensure the ladder is footed at all times Inspect ladder before use for any signs of damage Use for short periods of time only ladder permit may be required.	3	1	3
PPE summary:								

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Use of Vibrating Tools	RA Number	RA. No 62	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 62 Risk Assessment Use of Vibrating Tools			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	016	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Overuse leading to Nerve damage and vibration white finger	All personnel	2	2	4	Use only as last means of access, consider alternative means Ensure Vibration exposure levels are not exceeded Make sure all task health monitoring? Rotation, keep hands warm, recording and monitoring of exposure. Specific PPE is available	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

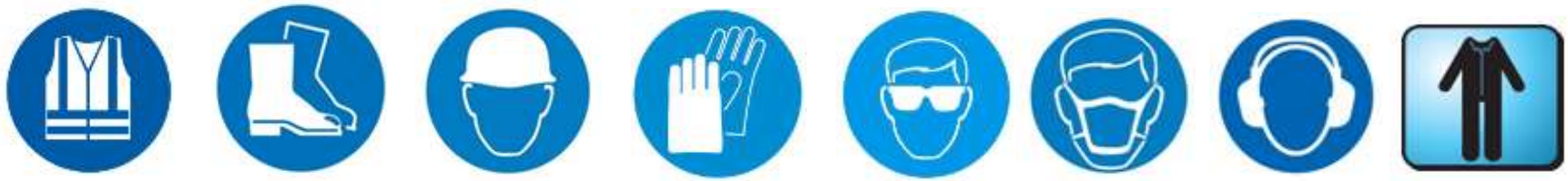
					Severity – What Type of Injury Could Occur?		
Activity	Using power saws / angle grinders	RA Number	RA. No 65	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 65 Risk Assessment Using power saws angle grinders			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Assessment Date	26-Feb-2025	Revision No	V07	M=2 Likely	Low 2	Medium 4	High 6
Operative Approval	N/A						
Equipment	e.g. cut off saw, electric saw, chainsaw, angle grinder	Substances	Antifreeze	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating			Controls	Residual Risk Rating		
		S	x L	= R		S	x L	= R
Manual handling injury					See separate risk assessment.			
Injury following unauthorised use of equipment.	Operative, other site operatives	3	2	6	All operators must be fully trained in safe use and maintenance of equipment. All equipment to be switched off and securely stored when not in use	3	1	3
Cutting wheel / disc shattering.	Operative, other site operatives	3	2	6	All cutting wheels / discs / chains to be inspected before use. Ensure correct grade of wheel / disc is being used for the task.. Cutting wheels / discs / chains are to be mounted by named, competent persons only. Operatives shall not apply excess pressure to the cutting wheel / disc / chain during cutting and shall ensure that the correct speed is used. All damaged cutting wheels / discs / chains to be taken out of use and disposed of immediately.	3	1	3
Contact with rotating blade	Operative	3	2	6	Ensure work area is clear of other people before use. Ensure that material being worked on is securely held in place, as appropriate. Ensure that tool guards are in correct position before use. Wear suitable protective gloves. Wear suitable protective boots. Wear suitable protective clothing (including Kevlar leggings or similar for chain saw use). Wear suitable protective goggles / visor.	3	1	3
Contact with rotating blade	Operative	3	2	6	Operators to ensure they have a firm footing before commencing work. Ensure guards are in position before operating the machinery.	3	1	3
Entanglement of clothing in moving parts	Operative	3	2	6	No loose clothing to be worn in the vicinity.	3	1	3
Excessive noise	Operative, other site operatives	3	2	6	Wear suitable hearing protection. Undertake recorded monthly checks for hearing damage.	3	1	3

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Excessive vibration	Operative	3	2	6	Wear suitable gloves to keep hands warm to improve circulation. Rotate operators to reduce risk of excessive exposure. Identify high vibration tools and calculate suitable maximum times on tools. Undertake recorded monthly checks for signs of HAVS.	3	1	3
Dust inhalation	Operative	3	2	6	Ensure adequate ventilation. Wear suitable dust mask. Where possible (e.g. concrete cutting) keep material being cut wet to reduce dust. Clear up dust / slurry regularly to prevent build up.	3	1	3

Injury from equipment malfunction	Operative	3	2	6	All equipment to be inspected before use. All site equipment in use to have monthly recorded inspections. All equipment to have 12 month service. All site electrical equipment to have 3 monthly PAT tests.	3	1	3
Fire from angle grinder sparks	Operative, other site operatives	3	2	6	Remove flammable materials from the work area. Have a suitable fire extinguisher to hand in the work area. Determine whether a permit to work is required and obtain one before commencing work as needed.	3	1	3
Fire / spills during refuelling	Operative, other site operatives	3	2	6	Only trained operatives to refuel. No smoking in the fuelling area. Never refuel while equipment is switched on. All fuel to be stored securely away from sources of heat or ignition. All spills to be cleared up immediately using a spill kit and disposed of as hazardous waste. All splashed clothing to be replaced immediately.	3	1	3
Build-up of exhaust fumes	Operative, other site operatives	3	2	6	Use only in well ventilated areas.	3	1	3

PPE summary:	

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working in poorly ventilated areas with plant	RA Number	RA. No 66	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11.No 66 Risk Assessment Working in poorly ventilated areas with plant			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	007	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	Diesel Fuel	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Uncomfortable working conditions due to unventilated conditions.	All persons in the work area	3	2	4	Forced ventilation systems using fans and ducting will be used as required. Extraction equipment operations will also be employed as required by the operations being undertaken on site.	3	1	3
Asphyxiation by noxious gases	All persons in the work area	3	3	9	All piling rigs, with internal combustion engines must be segregated other works. Exhausts for this type of equipment will be fitted with extension ducting as necessary to remove gases to a point which is external to the whole work area. the use of forced ventilation will be necessary with fans and ducting installed in a manner which will generate a positive air flow through the area. Suitable gas monitors will be deployed as required within enclosed areas prior to the entry of any personnel to identify the presence of any noxious gases. Gas monitors will be used throughout the works being carried out to ensure levels are not exceeded. Any site area which is identified as being at high risk from noxious gas ingress due to the works will be designated as a restricted area, these will also include the development of suitable emergency evacuation procedures by the main contractor. All operatives working in and around these types of area will receive as a minimum a toolbox briefing relating to the dangers posed by the site operations of this kind. Access into the work area will be controlled using a work permit. All operatives to be made aware of this system.	3	1	3

PPE summary:



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GROUP RISK ASSESSMENT

				Likelihood	Severity – What Type of Injury Could Occur? L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Activity	Mechanical Handling Operations Non crane lifting device - Excavator	RA Number	RA. No 70	L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Doc ref	05.11. No 70 Risk Assessment Mechanical Handling Operations Non crane lifting device - Excavator			M=2 Likely	Low 2	Medium 4	High 6
Author	Alan Turner, Operations Director			H=3 Very Likely	Medium 3	High 6	Extreme 9
Co Author	N/A	Revision No	007				
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A				

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Overloading excavator	Operative, other site operatives	3	2	6	• Understand that 360 excavators are not mobile cranes. • Maximum permitted SWL is indicated on the excavator this must not be exceeded. • Banksman will bank excavator when lifting the load.	3	1	3
Being hit by a suspended load	Operative, other site operatives	3	2	6	• Do not stand under suspended load. • Keep your distance and make sure other site personal are made aware of the suspended load. • Wear full PPE at all times. Banksman to bank excavator at all times. • If long lengths of reinforcement are being transport by excavator safety lines should be fitted to keep load safe.	3	1	3
Excavator bucket free falling to the ground.	Operative, other site operatives	2	2	4	• Before any lift takes place get Excavator operator to remove the bucket, then connect chain and shackle securely and complete lift/s and then remove chain and shackle before bucket is re-attached. • Wear full PPE at all times.	2	1	2

Lifting reinforcement & auger with excavator.	Operative, other site operatives	2	2	4	• Use correct lifting equipment for lift, make sure it has been tested within 6 months and that it is tagged with SWL. • Make sure Excavator has stopped before attaching chain. Make sure the chain is attached securely before lift. • Make sure hands are away from the chain when load is lifted. • Wear full PPE at all times.	2	1	2
PPE summary:								

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GROUP RISK ASSESSMENT

				Likelihood	Severity – What Type of Injury Could Occur?		
Activity	COVID - 19	RA Number	RA. No 73		L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 73 Risk Assessment COVID - 19			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Assessment Date	26-Feb-2025	Revision No	V07	M=2 Likely	Low 2	Medium 4	High 6
Operative Approval							
Equipment	N/A	Substances		H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating			Controls	Residual Risk Rating			Control Measures monitored by	Control Frequency Check Rate
		S	x L	= R		S	x L	= R		
COVID-19	All personnel	3	3	9	• Authorisation must be approved by Senior Management for all works taking place. • Operatives that are vulnerable or living with someone that is vulnerable under Government Guidelines will not be permitted to attend site to carry out works. • Cleaning, particular attention will be given to areas which are frequently touched, such as bathrooms, handrails and door handles. These areas shall be cleaned with hot soapy water or a proprietary disinfectant. • Operatives will not travel on public transport without face coverings • Operatives will travel to work individually using their own vehicles i.e. car, bicycles etc. Additional parking arrangement will be provided for cars and bicycles. • There will be an 8-hour shift pattern to allow for additional travel. • When entering site, the 2-meter social distancing rule to be adhered to, supervisors will monitor. • Operatives to use hand sanitiser when entering/leaving site and at frequent intervals.throughout the day in accordance with Government. • Operatives will have an access card and not use the biometric finger scanner. • The new safe start briefing process will be complied with, supervisor to conduct the start of shift briefing in smaller groups, in an open area and remain 2 meters apart. • Operatives will only work in groups of 2 at any one time. • Point of Work risk Assessment briefings will not be conducted in large groups and operatives are to stand 2 meters apart. • Operatives will wear FFP3 dust masks.	3	2	6	Supervisors /Managers	Daily

					• Break times will be rostered, only one operative to sit at each table in the welfare facilities. • Delivery drivers should remain in their vehicles if the load will allow it and must wash or clean their hands before unloading goods and materials. • Those displaying symptoms of COVID-19 will be sent home immediately, they are to avoid touching anything and they must cough and sneeze into a tissue and place in a bin. They then must self-isolate in accordance with Government Guidance.					
PPE summary:										

Remember if in doubt

Stop work immediately and seek advice from a Supervisor or Manager

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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Under slinging of loads with Tele-handler	RA Number	RA. No 74	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	5.11. No 74 Risk Assessment Underslinging of loads with Tele-handler			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	Nigel Clarke, Tele-handler Operator	Revision No	007	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	N/A	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Under slinging of loads causing the telehandler to become unstable and turn over causing serious injury or even a fatality	Machine operator, site personnel	3	2	6	All personnel to be trained and competent. Lifting equipment to be checked daily and up to date certification in place. Lifting accessories to be checked before use and certification in place Ensure good communication between banksman and operator. To limit the swing of the load a tag line must be in place when travelling with the load All Operatives to be briefed on site specific arrangements prior to undertaking activity. Ensure route to, and lay down area are clear of obstructions	3	1	3

PPE summary:



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GROUP RISK ASSESSMENT

					Severity – What Type of Injury Could Occur?		
Activity	Working with Impaired hearing	RA Number	RA. No 75	Likelihood	L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
Doc ref	05.11. No 75 Risk Assessment Working with Impaired hearing			L=1 Unlikely	Insignificant 1	Low 2	Medium 3
Author	Alan Turner, Operations Director						
Co Author	N/A	Revision No	006	M=2 Likely	Low 2	Medium 4	High 6
Assessment Date	26-Feb-2025						
Equipment	On site plant which produces noise	Substances	N/A	H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Risk of injury from machinery that can not be heard due to hearing impairment	Employees who have reduced hearing capacity	3	2	6	A point of works risk assessment will be completed on site with the individual whilst all machinery is working. This will entail asking a series of simple questions to the operative at varying distances to gauge the distance they can hear clearly at. All site team to be made aware of the hearing impairment of the operative.	2	1	2
Risk of further damage to the hearing of the operative	Employees who have reduced hearing capacity	2	2	4	Hearing protection to be supplied and the use of it to be monitored by the site supervisor. Health monitoring to be in place to gauge any significant change in hearing levels. Use of modern silent equipment wherever possible.	2	1	2
PPE summary:								

GROUP RISK ASSESSMENT

Activity	Rotary Bored Piling	RA Number	80
Doc ref	5.11. No 80. Risk Assessment Rotary Bored Piling		
Author	Alan Turner, Operations Director		
Assessment Date	26-Feb-2025	Revision No	006
Operative Approval	D Groome	Date	29-07-2022
Equipment	Rotary bored piling rigs and ancillary equipment	Substances	

Likelihood	Severity – What Type of Injury Could Occur? L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
L=1 Unlikely	Insignificant 1	Low 2	Medium 3
M=2 Likely	Low 2	Medium 4	High 6
H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk / how	Current Risk Rating S	x L	= R	Controls	Residual Risk Rating S	x L	= R
Mobilisation to Site, offloading in the public domain	Road users, members of the public Operatives, other site operatives. Fatality or serious injury by contact with machinery	3	2	6	Avoid offloading on the public highway wherever possible. Offload within the confines of the site. Only use approved transport companies and ensure all movement orders are in place with the local authority Traffic management in place before the delivery can be made including exclusion of the general public and a suitable alternative route for them in place.	3	1	3
Off Loading of rig	Rig Operator, Banksman other site operatives. Fatality or serious injury by contact with machinery	3	2	6	Trained and competent operatives to be used - CPCS is a minimum. Use of remote control where possible for offloading. Ensure area is large enough before off loading Banksman to be in attendance at all times Stay out of crush zones at all times	3	1	3
Off loading of piling equipment	Site operatives. Fatality or serious injury from falling objects contact with moving machinery or fall from height.	3	2	6	Trained and competent operatives to be used - CPCS is a minimum. Where offloading with a mechanical lifting device eg excavator a lift plan must be in place and briefed to all involved before commencing works. Exclusion zone to be set up around the working area to exclude anyone not included in the works. If the bed of the delivery vehicle needs to be accessed edge protection must be provided. Wherever possible loads will be pre-slung Equipment not to be lifted over operatives heads at any time	3	1	3
Setting up of piling rig, agitator and concrete pump	Site operatives. Fatality or serious injury from falling objects contact with moving machinery or fall from height.	3	2	6	Trained and competent operatives to be used - CPCS is a minimum. A valid WPC for the area must be provided by the PC before any works can proceed. No plant should be operated unless under the supervision of a banksman A Lift plan must be in place for any mechanical lifting equipment including a schedule of lifts for the loads to be lifted. Exclusion zones to be erected around the work area to exclude non-essential	3	1	3

					personnel. All operatives to stay out of crush zones.			
Lifting Operations	Site operatives. Fatality or serious injury from falling objects. Overturning of lifting equipment.	3	2	6	Trained and competent operatives to be used - CPCS is a minimum. A valid WPC for the area must be provided by the PC before any works can proceed. No plant should be operated unless under the supervision of a banksman A Lift plan must be in place for any mechanical lifting equipment including a schedule of lifts for the loads to be lifted. All lifting equipment to have a valid 12 monthly inspection cert 6 Months if lifting people. All lifting accessories to have a valid 6 monthly inspection cert. Exclusion zones to be set up around all lifting operations. Slinger signallers to check all accessories before use and a check of all lifting accessories to take place and be documented at least once a week LOLER register. Any defective equipment to be removed from service and quarantined.	3	1	3
Installation of casing / Pile Boring	Site operatives. Fatality or serious injury from falling objects contact with moving machinery	2	2	4	Trained and competent operatives to be used - CPCS is a minimum. Exclusion zones to be set up around the rig whilst in operation and only the rig attendant and rig operator allowed in the zone. Rig to be stationary whilst lifting equipment is servicing it with casings. Extra care to be taken whilst manual levelling of casings and changing of tooling to avoid entanglement. Temporary casing to be left a minimum of 950mm AGL to act as a physical barrier Wherever possible the rig should spin off the spoil from the auger to the drivers left hand side which is in his line of vision. Piling Rig and Attendant excavator operators to have the rig attendant in sight at all times or cease operations. Bore protection to be used on pile completion Cage installation should be in line with lifting operations (above)	2	1	2
Concrete operations	Site operatives. Fatality or serious injury from contact with delivery vehicles or blown high pressure delivery hoses.	3	2	6	Trained and competent operatives to be used - CPCS is a minimum. Banksman or A74 piling rig attendants to marshal concrete trucks to pile head / concrete pump Concrete pump to be checked daily before use and maintained to manufacturers guide lines. Correct PPE to be worn including long sleeves All delivery lines to be checked daily before use for signs of wear . if possible use steel lines to reduce the chance of high pressure blow outs. Whip checks to be fitted to all lines where rubber and steel lines are joined and on all air line connections. Concrete blow out procedure to be followed when blowing out lines (included in	3	1	3

					contract file) Never use compressed air to try to clear a blockage in the delivery line refer to the procedure for unblocking lines. (included in contract file)			
Working Close to hoardings / site boundaries	General public. Injury to persons, damage to property from falling debris off the augers	2	2	4	Alternative pedestrian route to be put in place by PC or marshal to stop pedestrians passing whilst piling is in progress	2	1	2
General site set up	Site operatives. Fatality or serious injury due to poor site conditions	3	2	6	Adequate lighting to be supplied to produce a working environment in which all hazards can be seen. Access and egress for vehicles and pedestrians and it must have a means of segregating them. The house keeping on site must ensure that no trailing leads, uneven surface or variation in level can lead to slips trips and falls	3	1	3
PPE summary:								

GROUP RISK ASSESSMENT

Activity	On Site Plant	RA Number	82
Doc ref	5.11. No 83. Risk Assessment On site Plant		
Author	Ice Risk Management, approved by Alan Turner, Operations Director		
Assessment Date	26-Feb-2025	Revision No	004
Operative Approval			
Equipment		Substances	

Likelihood	Severity – What Type of Injury Could Occur? L=1 Minor Injury	M=2 Moderate Injury	H=3 Major Injury
L=1 Unlikely	Insignificant 1	Low 2	Medium 3
M=2 Likely	Low 2	Medium 4	High 6
H=3 Very Likely	Medium 3	High 6	Extreme 9

Identify the Hazard	Who is at risk / how	Current Risk Rating S	x L	= R	Control;	Residual Risk Rating S	x L	= R
Injury following unauthorised use of the mobile plant	Site Operatives, Driver	4	4	16	All operators must hold an in-date competence card to use mobile plant. Site management to copy the card and attach to relevant induction record. Operators must cut engine, apply handbrake, remove keys when the plant is not in use and at the end of each working day	4	1	4
Collision with person, vehicle or object	Banks Person, Site Operatives, Driver	4	4	16	Operatives to observe vehicle routes on access roads. Operatives to observe speed limit on access roads. Operators to wear hi-vis clothing. Seat belts must be worn. Rollover cages to be fitted where possible. Only to be driven on public highway if roadworthy, beacon to be attached and working. A banksman wearing high vis must be used when manoeuvring the plant across pedestrian routes and for all tipping and reversing manoeuvres. Work areas to be accessed before tasks are undertaken. Work within exclusion zones and Heras fencing.	4	1	4
Vehicle overturning	Banks Person, Site Operatives, Driver	4	4	16	Apply handbrake and dismount whilst loading. Ensure working area ground is even and solid. Reverse downhill if loaded. No loads to exceed specified maximum load carrying capacity. All loads to be secured correctly. Ensure suitable ramps, tyre ramps are in place where there is a steep gradient.	4	1	4
Contact with tipping/lifting materials	Banks Person, Site Operatives, Driver	4	3	12	Other site operatives to stand clear when materials are being tipped. All tips and lifts to be within an exclusion zone or barriers. A banksman wearing high vis must be used for all tipping manoeuvres.	4	1	4

Falls from the vehicle	Driver	4	4	16	No passengers to be carried. Seatbelts to be worn where fitted.	4	1	4
Injury arising from vehicle malfunction	Banks Person, Site Operatives, Driver	4	3	12	Pre-use vehicle checks are to be carried out by operators. Weekly recorded checks are to be carried out by operators. Vehicles must be serviced every 12 months and a Thorough Examination Certificate be documented within the site file from the hire company.	4	1	4
Inhalation of Fumes	Banks Person, Site Operatives, Driver	4	4	16	Mobile plant and Tracked Dumper to be used within a well-ventilated area. When refuelling, ensure suitable ventilation and undertaken in a well-ventilated area.	4	1	4
Fire	Banks Person, Site Operatives, Driver, Thames Water Personnel	4	4	16	All fuel to be suitably stored within a fuel cube/bunded storage tank/Jerry can. Fire provisions to be within the work area when undertaking tasks and refuelling. Never refuel when the engine is hot or running. Only smoke in designated areas.	4	1	4
Use of the Tracked Dumper	Site Operatives, Driver	4	4	16	Operatives to be competent to use the machine and has understood the operating instructions. Regular inspections to be carried out and Thorough Examination Certification to be documented. Set the machine on firm, level ground. Wear ear protection when moving the dumper. Operatives to not wear loose or ill-fitting clothing. Always keep a firm grip on the handles when in use. Stand away from the dumper when being filled with material. The Safe Working Load is to never be exceeded. Operatives to never leave the dumper running and unattended. Operatives to stand clear of the load when emptying. Operatives to access the work area taking note of any drains, covers, kerbs or other hazards. Operatives to keep away from the lifting arms and mechanisms.	4	1	4

PPE summary:



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Group Briefing Attendance Sheet

Contract: Viadux Phase 2		**Contract No:**	**Date:**
		M24772	
Briefing Type { tick as appropriate}	**Title:**	**Ref No.**	**Revision**
General Daily Briefing			
Method Statement	M24772 - Viadux Main Works_WPP		
Risk Assessment	M24772 - Viadux Main Works_WPP		
COSHH Assessment	M24772 - Viadux Main Works_WPP		
Procedure			
Tool Box Talk			
Other			

N.B. – Signing of this form constitutes a declaration that you have fully understood the contents of the briefing given.

	Name (Print)	**Signature**	**Date**
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I, the undersigned, declare that I have briefed the above personnel on the briefing as stated.

Name (Print):	Signature:
Company:	Date: